

**Report 220**

**February, 1964**

**A Statistical Handbook for the**

**Desert**

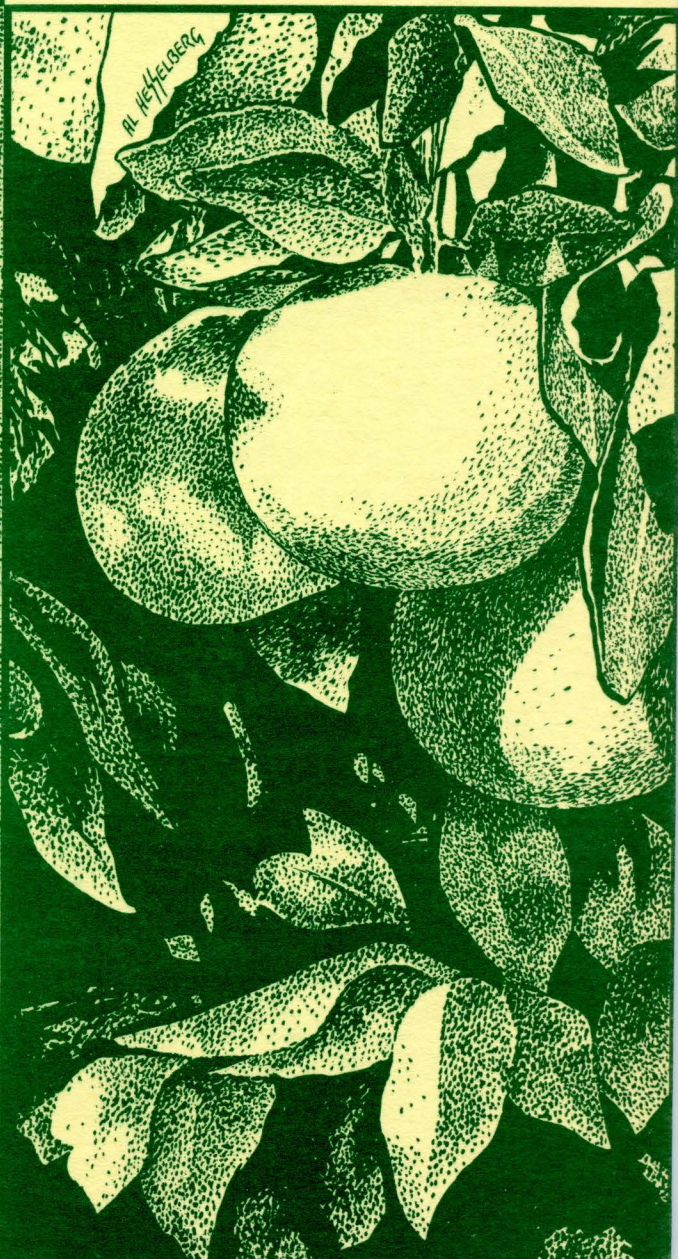
**Grapefruit**

**Industry**

**Agricultural Experiment Station**

**The University of Arizona**

**Tucson, Arizona**





A Statistical Handbook for the  
Desert Grapefruit Industry

University of Arizona  
Department of Agricultural Economics  
Agricultural Experiment Station  
Tucson, Arizona

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A Statistical Handbook for the Desert  
Grapefruit Industry

James S. Hill<sup>1/</sup>

The purpose of this report is to present a compilation of current, historical, and graphic data pertaining to the Arizona-California Desert Grapefruit Industry with additional figures relative to the industry in other producing areas of the United States. This statistical material is intended to serve as a reference for the industry. No interpretation has been placed on the assembled data.

This report was prepared in cooperation with the Arizona Crop and Livestock Reporting Service, Statistical Reporting Service, USDA, Phoenix. The Desert Grapefruit Committee assisted in the collection of the data used in the report. Some variation in numbers may exist between tables because of the estimating procedures used by the two major sources of information. Original sources of data are given in the footnote at the bottom of each table.

Financing, without which this report would not have been possible, was provided by the Economic Research Service, USDA; and the Arizona Development Board.

More detailed information concerning data presented in many of the tables may be secured by writing:

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# GRAPEFRUIT WEIGHT PER PACKED BOX

Florida	80 lbs.	1919-20	through	present time
Arizona	60 lbs.	1919-20	through	1940-41
	65 lbs.	1941-42	through	1953-54
	64 lbs.	1954-55	through	present time
Texas	80 lbs.	1919-20	through	present time
California				
Desert Valleys	60 lbs.	1919-20	through	1940-41
	65 lbs.	1941-42	through	1953-54
	64 lbs.	1954-55	through	present time
Other Areas	60 lbs.	1919-20	through	1940-41
	68 lbs.	1941-42	through	1953-54
	67 lbs.	1954-55	through	present time



TABLE 1. GRAPEFRUIT ACREAGE: BEARING ACREAGE SELECTED STATES AND UNITED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Crop Season	Arizona <sup>1/</sup>	California	Florida	Texas	United States
(Thousand Acres)					
1927-28	.8	6.7	53.0	5.1	65.7
1928-29	.9	8.6	53.5	7.4	70.8
1929-30	1.0	10.0	58.0	11.1	81.2
1930-31	1.2	10.8	60.0	15.3	88.6
1931-32	1.6	11.3	67.8	21.9	104.0
1932-33	2.2	12.1	72.0	34.0	121.9
1933-34	3.0	13.1	75.9	47.4	141.3
1934-35	4.4	13.7	78.3	57.9	157.1
1935-36	7.0	14.5	70.0	64.4	159.7
1936-37	10.5	15.4	78.7	70.0	177.1
1937-38	12.5	16.5	80.4	71.0	181.9
1938-39	12.9	16.4	81.5	72.0	183.9
1939-40	14.0	16.4	82.5	73.1	185.8
1940-41	13.4	15.4	82.5	74.1	185.4
1941-42	13.0	15.3	82.8	75.1	186.5
1942-43	13.0	14.8	83.6	76.0	187.7
1943-44	12.6	14.9	84.1	76.8	188.8
1944-45	12.6	14.8	84.6	77.0	189.4
1945-46	12.6	14.5	85.2	78.6	191.2
1946-47	12.0	14.1	85.7	80.0	192.7
1947-48	10.8	13.3	87.6	80.5	193.6
1948-49	10.0	11.6	89.5	82.0	193.4
1949-50	10.0	10.7	93.0	56.0	169.3
1950-51	9.0	10.2	94.4	56.0	170.0
1951-52	8.9	9.7	98.6	17.9	134.6
1952-53	8.5	9.4	102.2	20.9	139.5
1953-54	7.0	9.1	105.5	22.0	142.7
1954-55	6.0	8.2	111.2	24.1	149.8
1955-56	6.0	8.3	111.8	26.0	152.0
1956-57	5.5	7.2	112.4	29.7	155.4
1957-58	5.4	7.5	95.0	30.1	138.9
1958-59	5.6	7.6	94.0	34.1	142.2
1959-60	5.6	8.1	92.3	38.1	145.2
1960-61	5.7	9.5	92.5	40.0	148.6
1961-62	5.8	10.8	94.0	40.0	151.4

<sup>1/</sup>

Data from files of the Department of Agricultural Economics, University of Arizona.

Source: Florida Citrus Fruit, Annual Summary 1962, Florida Crop and Livestock Reporting Service, Orlando, Florida.

TABLE 2. GRAPEFRUIT PRODUCTION: UNITED STATES AND SELECTED COUNTRIES, BY YEARS, 1930-31 THROUGH 1962-63.

Crop Year	United States	Puerto Rico <sup>2/</sup>	Cuba <sup>3/</sup>	Jamaica	Trinidad & Tobago	South Africa	Israel	World Total <sup>1/</sup>
(Thousand Boxes) <sup>4/</sup>								
1930-31	18,690	722	485	157	4	140	65	20,330
1931-32	15,181	776	485	218	30	158	100	16,772
1932-33	15,004	330	485	179	35	260	225	16,417
1933-34	14,672	637	485	251	45	296	350	16,024
1934-35	21,347	489	485	160	60	284	683	23,238
1935-36	18,347	677	375	270	75	327	844	21,166
1936-37	30,670	695	375	193	160	366	1,534	34,277
1937-38	31,133	417	375	207	175	447	1,794	34,791
1938-39	43,594	205	375	259	200	645	2,067	47,622
1939-40	35,192	248	375	140	260	628	988	38,340
1940-41	42,883	500	300	180	246	824	700	46,106
1941-42	40,261	500	300	200	144	846	550	43,222
1942-43	50,481	500	250	300	171	858	300	53,336
1943-44	56,090	500	160	250	114	968	800	59,433
1944-45	52,180	500	210	275	214	681	692	55,263
1945-46	63,450	500	90	266	260	636	800	66,558
1946-47	59,520	500	150	300	328	752	1,238	63,492
1947-48	61,630	525	130	290	587	614	1,500	66,125
1948-49	45,530	525	150	249	194	505	1,068	49,481
1949-50	36,500	525	170	405	552	557	1,100	40,896
1950-51	46,580	525	190	300	328	578	1,259	50,322
1951-52	40,500	525	230	257	337	358	1,136	43,938
1952-53	38,360	525	200	336	717	517	1,456	42,855
1953-54	48,370	220	240	351	361	566	1,539	52,643
1954-55	42,190	222	190	425	543	443	1,530	46,720
1955-56	45,380	243	200	490	467	402	1,450	49,963
1956-57	44,790	-	190	440	509	412	1,513	49,668
1957-58	39,780	-	200	375	910	399	1,603	45,546
1958-59	43,800	-	200	360	490	499	1,846	49,648
1959-60	41,620	-	200	388	1,000	581	1,934	48,182
1960-61	43,300	-	200	380	622	600	1,730	49,889
1961-62 <sup>5/</sup>	42,910	-	200	607	800	900	1,892	50,165
1962-63 <sup>5/</sup>	34,500	-	200	620	500	100	2,500	41,800

<sup>1/</sup> World Total includes production in other areas not shown.

<sup>2/</sup> Includes shipments of fresh and canned fruit to U. S. and exports to foreign countries.

<sup>3/</sup> 1930-40 Averages for 1930-34 and 1935-39.

<sup>4/</sup> 80 pound boxes.

<sup>5/</sup> Preliminary.

Source: USDA Annual "Agricultural Statistics," and Foreign Crops and Markets, USDA.



TABLE 3. GRAPEFRUIT PRODUCTION: SELECTED STATES AND UNITED STATES BY YEARS, 1925-26 THROUGH 1961-62.

Crop Year	Arizona	California	Florida	Texas	United States
(Thousand Packed Boxes)					
1925-26	150	600	7,600	200	8,550
1926-27	120	672	8,600	361	9,753
1927-28	176	720	7,500	524	8,920
1928-29	211	972	11,300	753	13,236
1929-30	365	1,000	8,300	1,550	11,215
1930-31	400	1,290	15,800	1,200	18,690
1931-32	450	1,431	10,700	2,600	15,181
1932-33	614	1,350	11,600	1,440	15,004
1933-34	800	1,772	10,900	1,200	14,672
1934-35	1,240	2,167	15,200	2,740	21,347
1935-36	1,800	2,267	11,500	2,780	18,347
1936-37	1,400	1,540	18,100	9,630	30,670
1937-38	2,750	1,943	14,600	11,840	31,133
1938-39	2,700	1,924	23,300	15,670	43,594
1939-40	2,900	1,992	15,900	14,400	35,192
1940-41	2,650	1,983	24,600	13,650	42,883
1941-42	3,380	3,181	19,200	14,500	40,261
1942-43	2,600	3,071	27,300	17,510	50,481
1943-44	4,080	3,300	31,000	17,710	56,090
1944-45	3,750	3,830	22,300	22,300	52,180
1945-46	4,100	3,350	32,000	24,000	63,450
1946-47	4,100	3,120	29,000	23,300	59,520
1947-48	3,000	2,430	33,000	23,200	61,630
1948-49	1,880	2,150	30,200	11,300	45,530
1949-50	3,400	2,500	24,200	6,400	36,500
1950-51	3,150	2,730	33,200	7,500	46,580
1951-52	2,140	2,160	36,000	200	40,500
1952-53	3,000	2,460	32,500	400	38,360
1953-54	2,670	2,500	42,000	1,200	48,370
1954-55	2,470	2,420	34,800	2,500	42,190
1955-56	2,370	2,510	38,300	2,200	45,380
1956-57	2,180	2,410	37,400	2,800	44,790
1957-58	2,780	2,400	31,100	3,500	39,780
1958-59	1,870	2,530	35,200	4,200	43,800
1959-60	3,220	2,700	30,500	5,200	41,620
1960-61	2,260	2,640	31,600	6,800	43,300
1961-62	2,270	2,940	35,000	2,700	42,910

Source: Citrus Fruits - By States - Production, use, Value USDA - SRS - Washington, D. C.

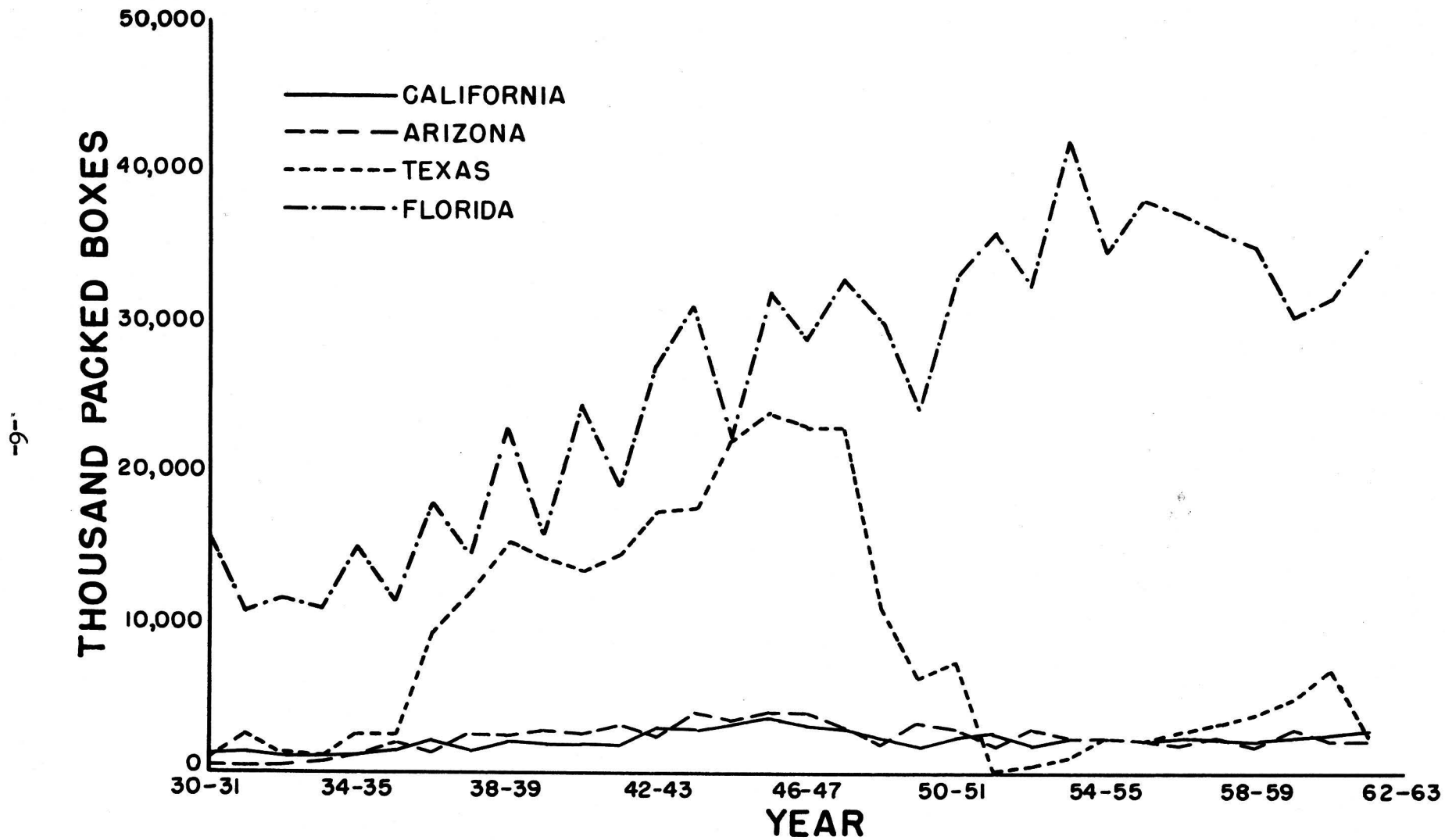


Fig. 1.— GRAPEFRUIT PRODUCTION: Selected States, By Years. 1930-31—1961-62.



TABLE 4. DESERT GRAPEFRUIT PRODUCTION: TOTAL PRODUCTION BY AREA, BY YEARS, 1941-42 THROUGH 1962-63.

Year	Producing Area				
	SRV <sup>1/</sup>	Yuma	Imperial	Coachella	Desert Total
(Thousand Packed Boxes)					
1941-42	2,748	448	666	672	4,540
1942-43	1,971	554	521	728	3,777
1943-44	3,585	442	506	689	5,224
1944-45	3,073	629	625	901	5,231
1945-46	3,425	593	541	672	5,233
1946-47	2,883	552	485	735	4,663
1947-48	1,441	643	344	605	3,059
1948-49	1,207	624	191	573	2,609
1949-50	2,724	628	231	819	4,403
1950-51	2,371	701	237	903	4,216
1951-52	1,609	576	138	487	2,814
1952-53	2,291	642	175	644	3,755
1953-54	1,927	682	189	601	3,660
1954-55	1,784	639	172	739	3,336
1955-56	1,787	562	141	682	3,173
1956-57	1,636	516	97	706	2,955
1957-58	2,062	706	153	943	3,864
1958-59	1,479	425	96	527	2,528
1959-60	2,414	811	186	1,203	4,625
1960-61	1,711	620	127	1,112	3,570
1961-62	1,681	578	105	1,429	3,801
1962-63	1,552	591	71	1,119	3,303

<sup>1/</sup> SRV - Salt River Valley

Source: Annual Reports, Desert Grapefruit Administrative Committee.

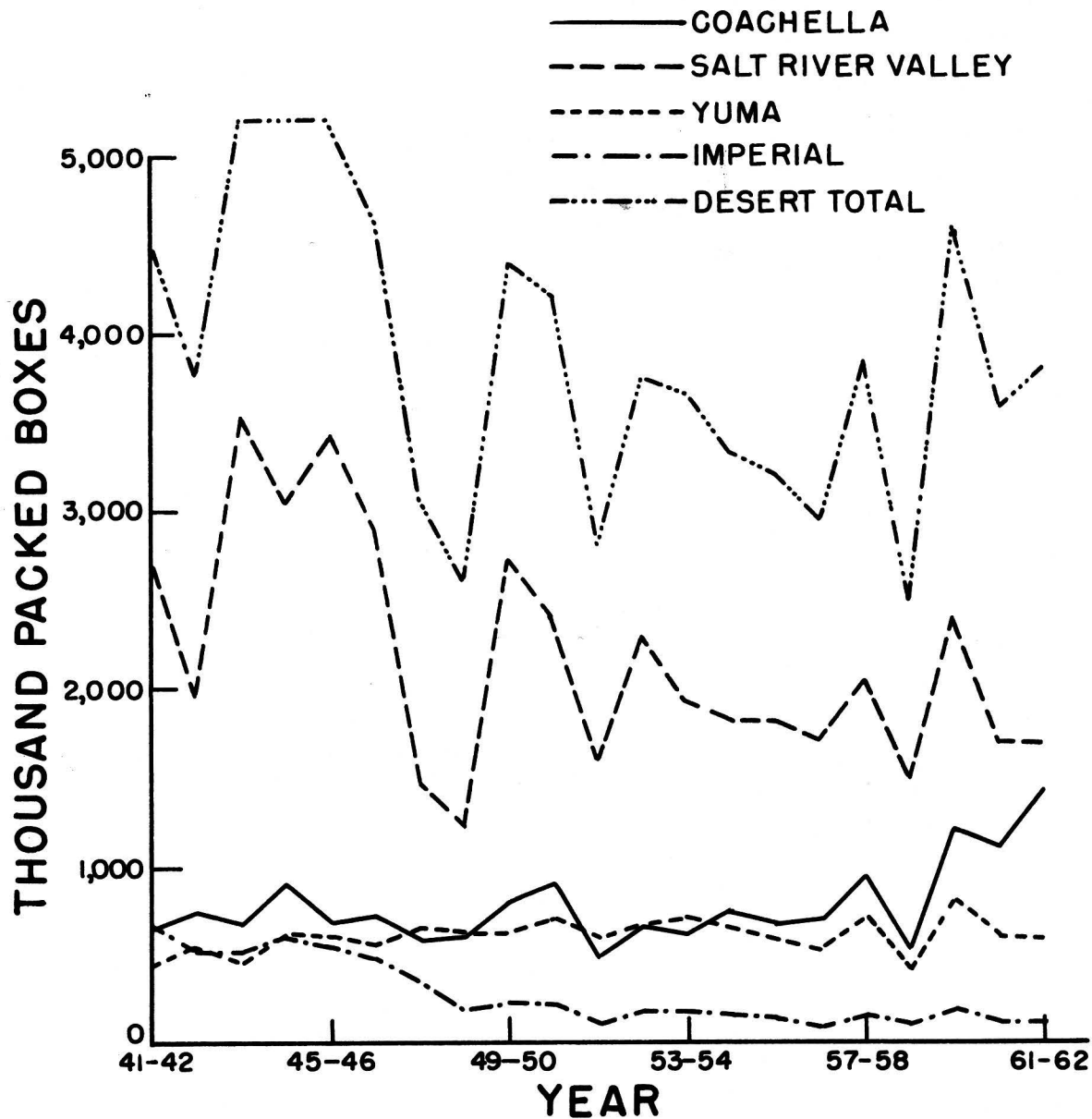


Fig. 2.- DESERT GRAPEFRUIT PRODUCTION: Total Production, by Area, 1941-42 Through 1961-62

TABLE 5. FRESH GRAPEFRUIT SALES: TOTAL SALES FOR SELECTED STATES, ARIZONA-CALIFORNIA DESERT, AND UNITED STATES, BY YEARS, 1919-20 THROUGH 1961-62.

Year	Arizona	California <sup>1/</sup>	Florida	Texas	Desert <sup>2/</sup>	United States
(Thousand Packed Boxes)						
1919-20	28	342	5,864	3	---	6,237
1920-21	33	374	5,762	4	---	6,173
1921-22	34	339	6,650	6	---	7,029
1922-23	59	373	7,616	32	---	8,080
1923-24	94	341	8,267	61	---	8,763
1924-25	103	365	8,528	295	---	9,291
1925-26	148	578	7,188	194	---	8,108
1926-27	118	650	7,909	353	---	9,030
1927-28	174	698	6,901	515	---	8,288
1928-29	208	950	10,179	739	---	12,076
1929-30	361	978	6,596	1,512	---	9,447
1930-31	396	1,268	12,815	1,128	916	15,607
1931-32	446	1,409	9,698	2,477	1,108	14,030
1932-33	593	1,328	8,989	1,376	1,114	12,286
1933-34	762	1,686	8,443	1,105	1,479	11,996
1934-35	1,052	1,823	9,550	2,328	1,643	14,753
1935-36	1,658	2,111	7,762	2,130	2,708	13,661
1936-37	947	1,162	11,233	7,026	1,512	20,368
1937-38	2,104	1,832	8,349	6,589	2,907	18,874
1938-39	1,968	1,840	12,226	8,366	2,842	24,400
1939-40	2,003	1,904	6,998	7,444	3,049	18,349
1940-41	1,931	1,809	10,624	7,371	2,802	21,735
1941-42	2,144	2,679	8,956	8,330	3,201	22,109
1942-43	1,254	2,649	9,603	9,582	2,192	23,088
1943-44	2,163	2,665	10,436	9,336	3,018	24,600
1944-45	2,365	3,031	7,059	12,686	3,452	25,141
1945-46	2,255	2,443	9,724	13,378	3,174	27,800
1946-47	1,634	2,354	10,414	13,815	2,553	28,217
1947-48	1,254	1,755	9,709	12,174	1,950	24,892
1948-49	872	1,541	13,754	5,956	1,300	22,123
1949-50	750	1,558	10,571	3,825	1,349	16,704
1950-51	1,851	1,819	15,197	2,825	2,594	21,692
1951-52	1,334	1,395	19,172	172	1,794	22,073
1952-53	1,702	1,707	17,305	300	2,380	21,014
1953-54	1,525	1,686	20,451	850	2,214	24,512
1954-55	1,470	1,705	18,996	1,840	2,145	24,011
1955-56	1,459	1,726	19,482	1,625	2,082	24,292
1956-57	1,334	1,671	18,187	1,645	1,929	22,837
1957-58	2,100	1,775	14,544	2,503	2,855	20,922
1958-59	1,455	1,787	16,479	2,965	1,942	22,686
1959-60	2,107	1,803	16,032	3,881	2,946	23,823
1960-61	1,398	1,720	15,726	5,444	2,068	24,288
1961-62	1,275	1,790	17,811	2,294	2,095	23,170

<sup>1/</sup> Includes both summer and winter grapefruit.

<sup>2/</sup> Separate Data for California-Arizona Desert Not Available Prior to 1930.

Source: Citrus Fruits - By States - Production, use, Value USDA - SRS - Washington, D. C.

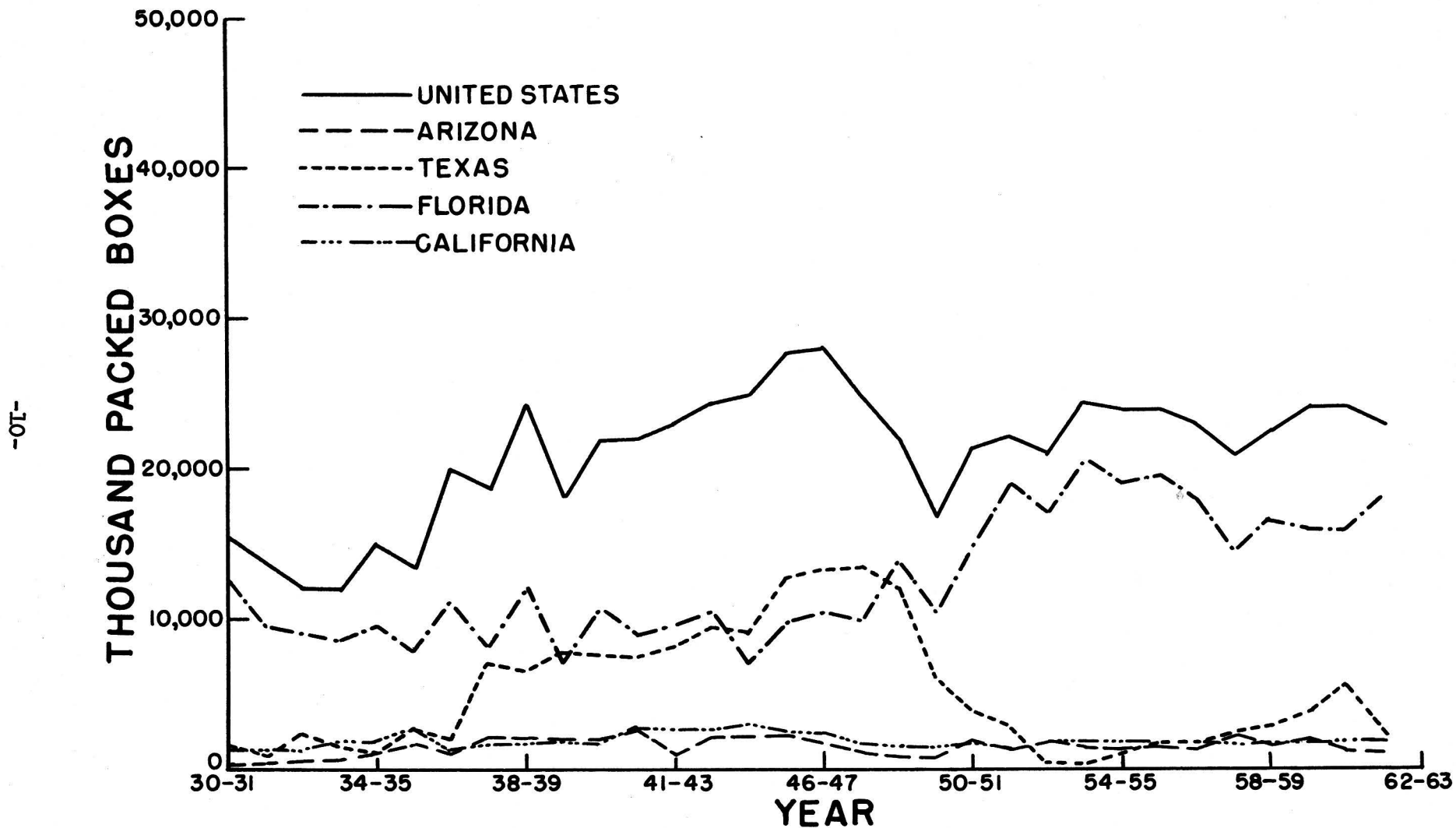


Fig. 3. FRESH GRAPEFRUIT SALES: Total Sales For Selected States And United States, 1930-31-1961-62.



TABLE 6. DESERT FRESH GRAPEFRUIT SALES: <sup>1/</sup> TOTAL FRESH SALES BY PRODUCING AREA, BY YEARS 1941-42 THROUGH 1962-63 <sup>2/</sup>

Year	Producing Area				Desert Total
	SRV <sup>2/</sup>	Yuma	Imperial	Coachella	
(Thousand Packed Boxes)					
1941-42	1,617	338	508	549	3,015
1942-42	919	272	351	587	2,135
1943-44	1,883	233	339	515	2,991
1944-45	1,915	410	411	676	3,421
1945-46	1,804	381	381	535	3,111
1946-47	1,305	309	358	561	2,546
1947-48	774	421	246	443	1,867
1948-49	360	483	94	309	1,279
1949-50	329	388	112	482	1,318
1950-51	1,331	435	147	588	2,511
1951-52	1,374	335	99	359	2,178
1952-53	1,296	357	138	532	2,347
1953-54	1,123	354	124	565	2,180
1954-55	1,047	37	121	551	1,757
1955-56	1,141	303	102	516	2,062
1956-57	1,086	231	64	527	1,916
1957-58	1,661	439	106	648	2,862
1958-59	1,163	337	78	406	1,993
1959-60	1,692	416	112	721	2,950
1960-61	1,156	299	70	602	2,137
1961-62	975	300	54	763	2,108
1962-63	624	260	34	679	1,598

<sup>1/</sup> Sales by area include Intrastate, Interstate, and Export Shipments. Desert Total includes parcel post shipments.

<sup>2/</sup> Salt River Valley

Source: Annual Reports, Desert Grapefruit Administrative Committee.

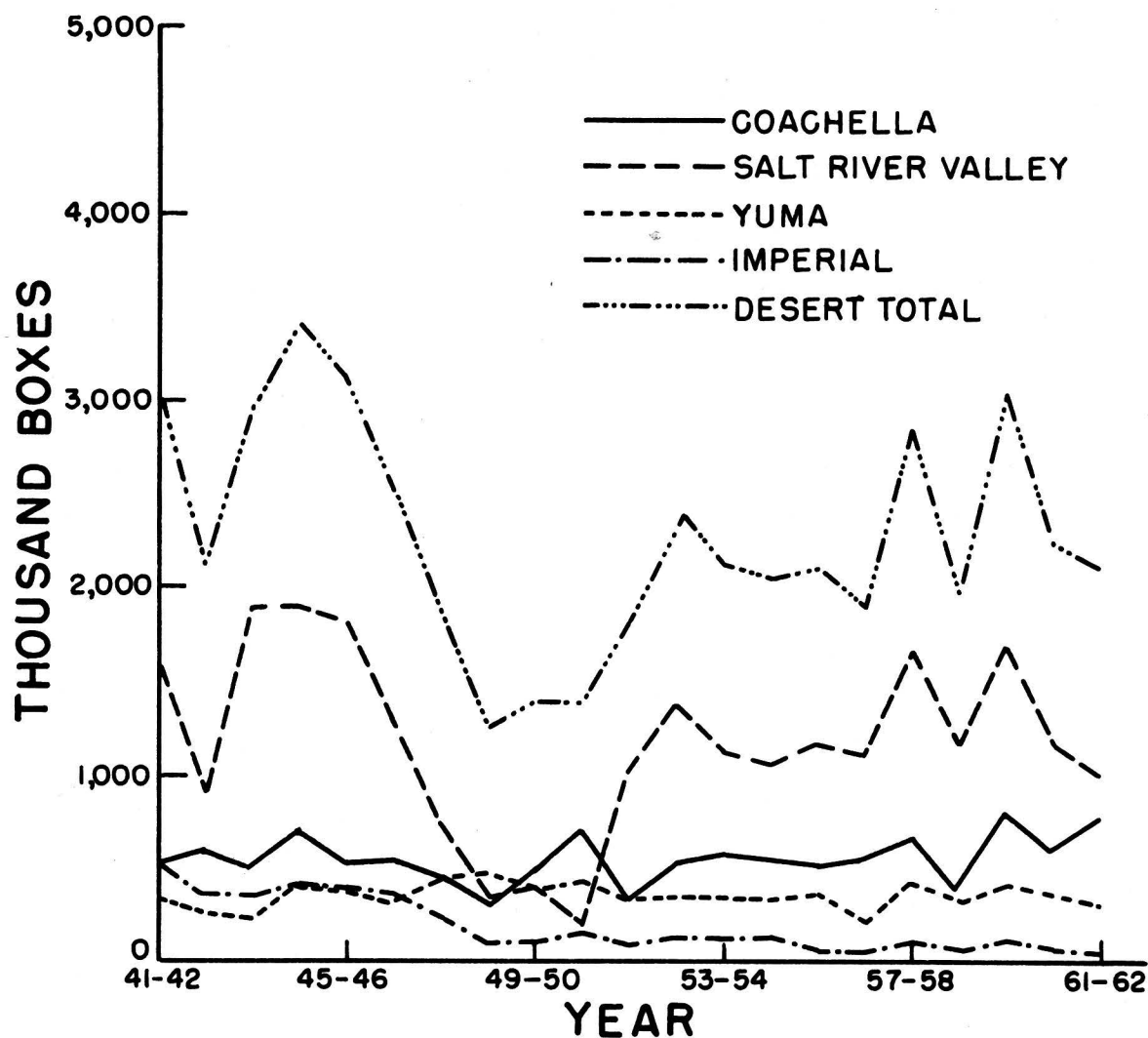


Fig. 4. DESERT FRESH GRAPEFRUIT SALES: Total Fresh Sales, By Producing Area, 1941-42-1961-62.

TABLE 7. FRESH GRAPEFRUIT SALES: PERCENT OF TOTAL SALES SHIPPED BY EACH STATE, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona	California	Florida	Texas
(Percent)				
1930-31	3	8	82	7
1931-32	3	10	69	18
1932-33	5	11	73	11
1933-34	6	14	71	9
1934-35	7	12	65	16
1935-36	12	15	57	16
1936-37	5	6	55	34
1937-38	11	10	44	35
1938-39	8	8	50	34
1939-40	11	10	38	41
1940-41	9	8	49	34
1941-42	10	12	40	38
1942-43	5	11	42	42
1943-44	9	11	42	38
1944-45	9	12	29	50
1945-46	8	9	35	48
1946-47	6	8	37	49
1947-48	5	7	39	49
1948-49	4	7	62	27
1949-50	4	9	63	24
1950-51	9	8	70	13
1951-52	6	6	87	1
1952-53	8	8	83	1
1953-54	6	7	84	3
1954-55	6	7	79	8
1955-56	6	7	80	7
1956-57	6	7	80	7
1957-58	10	8	70	12
1958-59	6	8	73	13
1959-60	9	8	67	16
1960-61	6	7	65	22
1961-62	6	8	76	10

Source: Citrus Fruits - By States - Production, use, Value USDA - SRS - Washington, D. C.

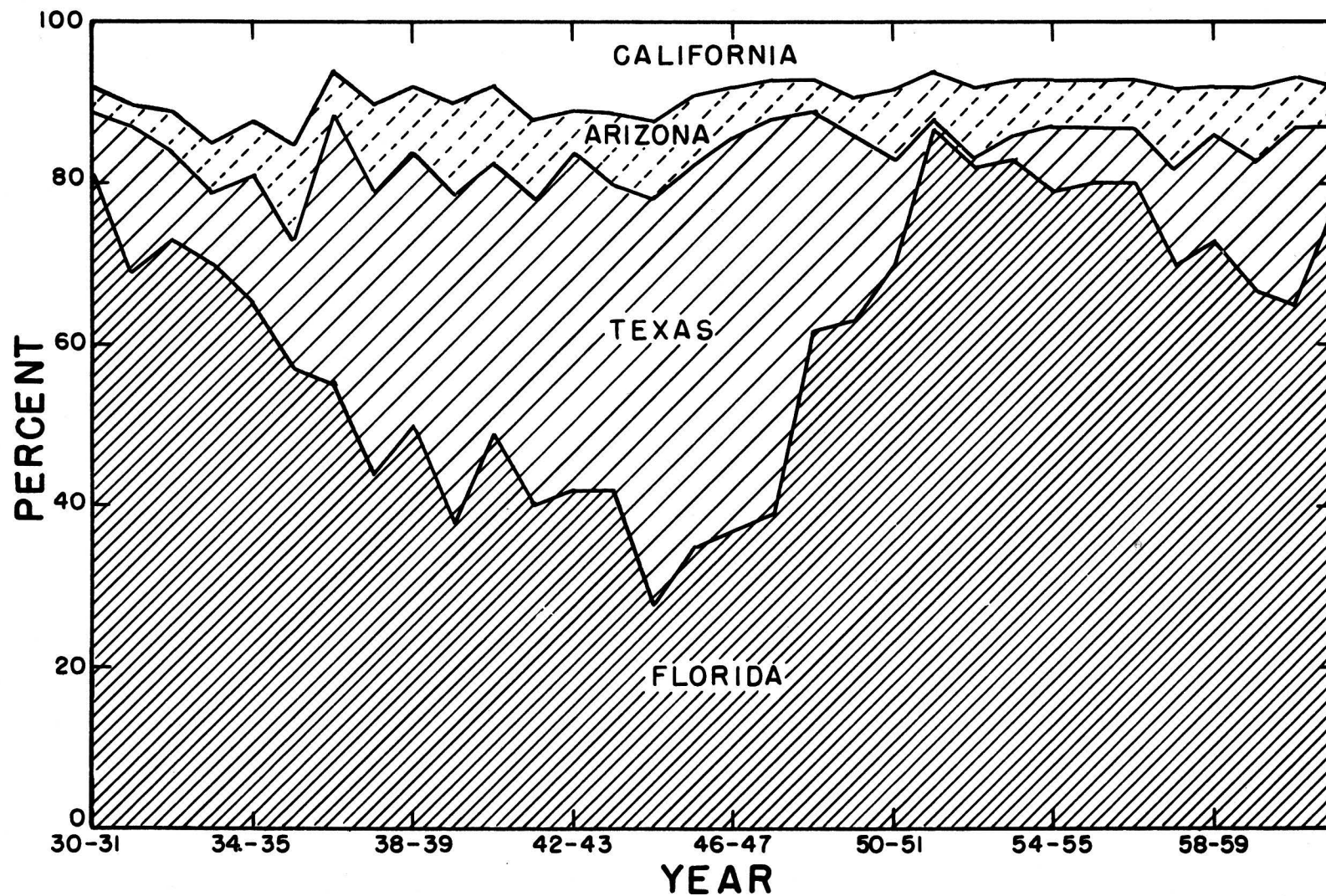


Fig. 5. FRESH GRAPEFRUIT SALES: Percent Of Total Sales Shipped By Each State, 1930-31-1961-62.



TABLE 8. DESERT GRAPEFRUIT SALES: NUMBER OF BOXES OF FRESH GRAPEFRUIT SHIPPED BY MONTH, BY YEAR, 1948-49 THROUGH 1962-63.

Year	Month										Total
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	
(Thousand Packed Boxes)											
1948-49	3	89	189	111	149	261	167	175	100	4	1246
1949-50	23	127	167	165	157	163	225	205	66	12	1310
1950-51	1	162	178	211	235	338	303	408	359	287	2480
1951-52		132	190	274	231	236	233	289	166	58	1808
1952-53		89	189	222	230	259	330	368	466	161	2313
1953-54		108	216	219	203	291	242	314	332	240	2166
1954-55	22	199	249	292	248	243	312	250	239	25	2080
1955-56		46	216	244	282	241	262	404	289	74	2059
1956-57		121	153	222	184	218	247	304	283	172	1903
1957-58		185	196	318	273	381	552	661	254	35	2856
1958-59		200	186	284	237	258	296	264	188	65	1979
1959-60	16	161	206	228	257	316	359	630	556	197	2927
1960-61		186	151	215	197	344	263	301	266	154	2079
1961-62		185	150	274	178	358	254	383	237	51	2070
1962-63		152	183	257	230	258	225	213	771	2	1579

Source: Annual Reports of Desert Grapefruit Committee.

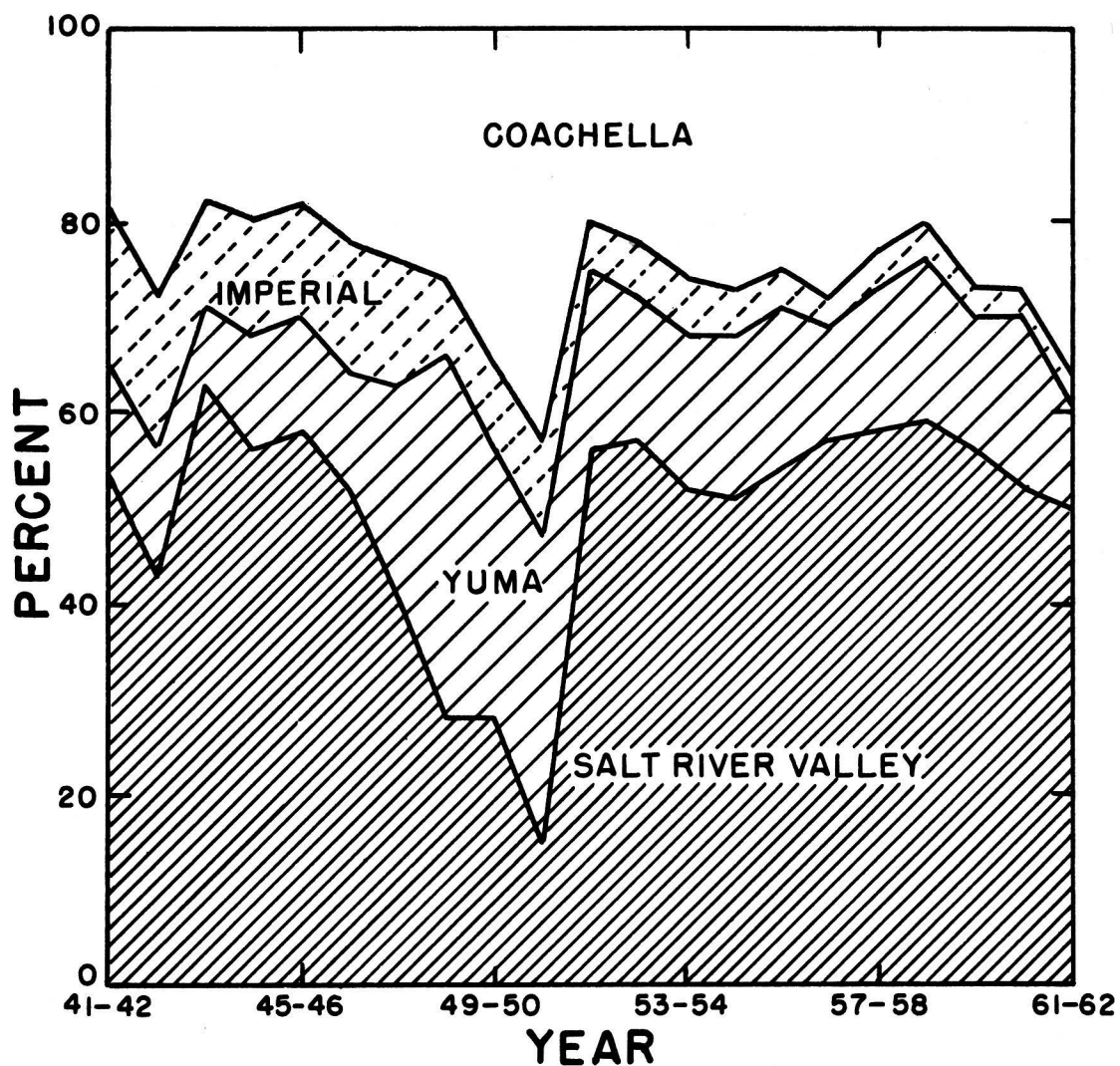


Fig. 6. DESERT FRESH GRAPEFRUIT SALES: Percent Of Total Fresh Shipments By Each Producing Area, 1941-42-1961-62.

TABLE 9. DESERT FRESH GRAPEFRUIT SALES: PERCENT OF TOTAL FRESH SHIPMENTS BY EACH PRODUCING AREA, BY YEARS, 1941-42 THROUGH 1962-63.

Year	SRV <sup>1/</sup>	Yuma	Imperial	Coachella
(Percent)				
1941-42	54	11	17	18
1942-43	43	13	16	28
1943-44	63	8	11	18
1944-45	56	12	12	20
1945-46	58	12	12	18
1946-47	52	12	14	22
1947-48	41	22	13	24
1948-49	28	38	8	26
1949-50	28	28	9	35
1950-51	15	32	10	43
1951-52	56	19	5	20
1952-53	57	15	6	22
1953-54	52	16	6	26
1954-55	51	17	6	26
1955-56	54	17	4	25
1956-57	57	12	3	28
1957-58	58	15	4	23
1958-59	59	17	4	20
1959-60	56	14	4	26
1960-61	52	18	3	27
1961-62	47	14	3	36
1962-63	39	16	2	43

<sup>1/</sup> Salt River Valley.

Source: Annual Reports of Desert Grapefruit Administrative Committee.

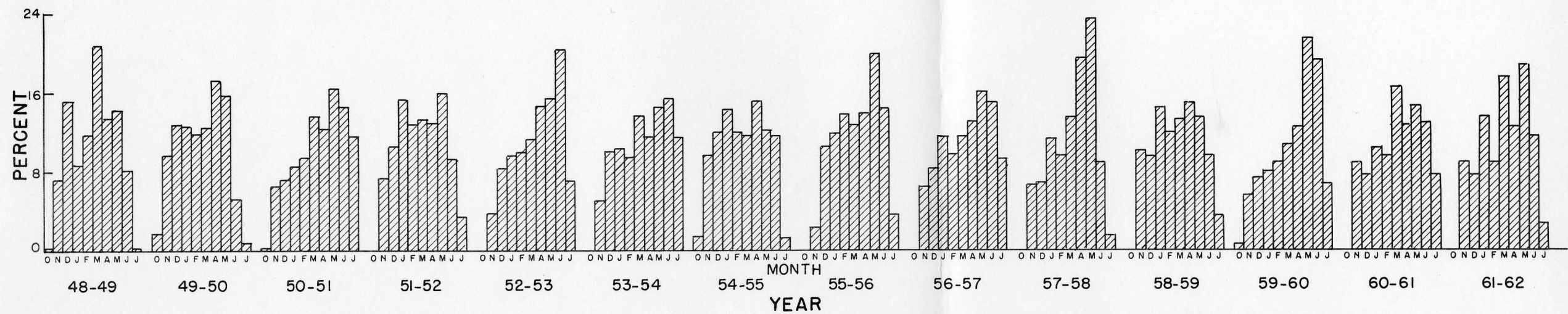


Fig. 7. — DESERT GRAPEFRUIT SALES: Percent Of Total Yearly Fresh Shipments Each Month By Years, 1948-49 —1961-62.



TABLE 10. DESERT GRAPEFRUIT SALES: PERCENT OF TOTAL YEARLY FRESH SHIPMENTS EACH MONTH, BY YEARS, 1948-49 THROUGH 1961-62.

Year	Month									
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July
1948-49	.23	7.12	15.16	8.89	11.92	20.94	13.40	14.02	8.01	.31
1949-50	1.77	9.71	12.72	12.61	11.99	12.43	17.18	15.64	5.02	.93
1950-51	.02	6.53	7.16	8.50	9.46	13.63	12.21	16.45	14.46	11.58
1951-52		7.29	10.53	15.16	12.78	13.03	12.88	15.98	9.17	3.18
1952-53		3.84	8.18	9.60	9.93	11.18	14.25	15.39	20.15	6.98
1953-54		5.00	9.99	10.11	9.37	13.45	11.18	14.49	15.31	11.10
1954-55	1.08	9.58	11.98	14.05	11.90	11.66	15.01	12.04	11.50	1.20
1955-56		2.22	10.50	11.84	13.71	11.70	12.73	19.64	14.05	3.61
1956-57		6.36	8.03	11.66	9.65	11.44	12.96	15.99	14.87	9.04
1957-58		6.49	6.88	11.14	9.54	13.34	19.32	23.16	8.89	1.24
1958-59		10.09	9.40	14.34	11.98	13.06	14.95	13.36	9.52	3.30
1959-60	.56	5.49	7.05	7.79	8.78	10.80	12.26	21.52	19.01	6.74
1960-61		8.95	7.27	10.34	9.48	16.57	12.66	14.46	12.82	7.45
1961-62		8.94	7.23	13.25	8.60	17.28	12.28	18.52	11.42	2.48
Average	.26	6.97	9.43	11.38	10.65	13.61	13.80	16.48	11.86	4.94

Source: Annual Reports of the Desert Grapefruit Administrative Committee.

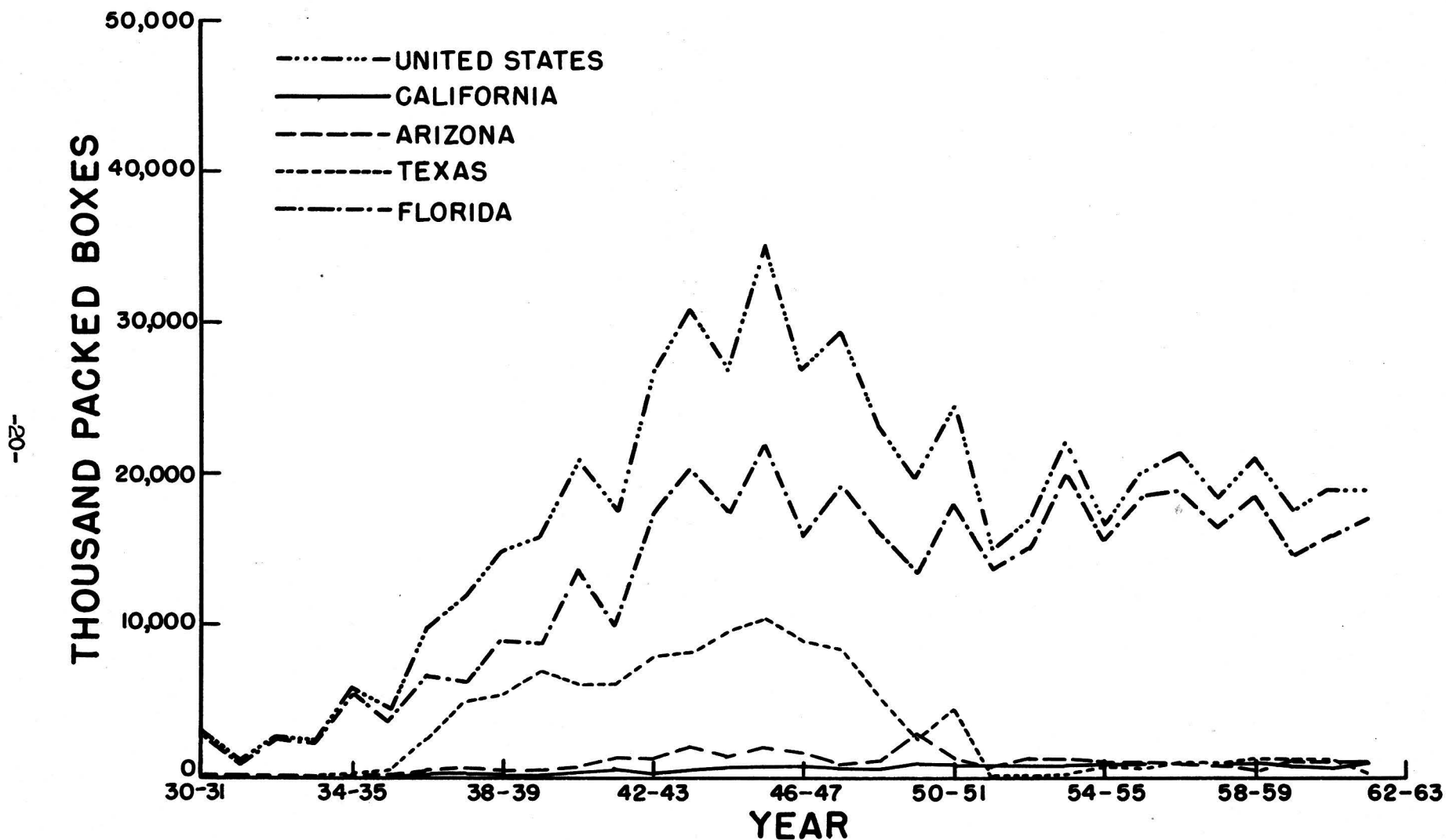


Fig. 8.- GRAPEFRUIT PRODUCTS: Amount Processed by Selected States and United States, 1930-31 Through 1961-62.

TABLE 11. GRAPEFRUIT PRODUCTS: AMOUNT PROCESSED BY SELECTED STATES AND UNITED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona	California <sup>1/</sup>	Florida	Texas	Calif.-Ariz. Desert	United States
(Thousand Packed Boxes)						
1930-31	--	--	2,893	56	--	2,949
1931-32	--	--	993	103	--	1,036
1932-33	15	--	2,526	46	15	2,587
1933-34	31	39	2,369	86	31	2,525
1934-35	180	140	5,545	383	252	6,248
1935-36	134	99	3,646	619	191	4,498
1936-37	445	258	6,759	2,563	638	10,025
1937-38	634	61	6,157	5,203	674	12,055
1938-39	399	39	9,212	5,531	416	15,181
1939-40	544	62	8,812	6,900	580	16,318
1940-41	706	150	13,876	6,223	789	20,955
1941-42	1,222	478	10,143	6,118	1,500	17,961
1942-43	1,334	400	17,584	7,876	1,644	27,194
1943-44	1,905	613	20,446	8,322	2,244	31,286
1944-45	1,373	776	15,136	9,554	1,809	26,839
1945-46	1,833	885	22,136	10,562	2,128	35,416
1946-47	1,531	733	15,866	8,920	1,815	27,050
1947-48	790	639	19,451	8,661	1,034	29,541
1948-49	956	581	16,306	5,270	1,316	23,122
1949-50	2,638	921	13,489	2,510	3,094	19,558
1950-51	1,287	878	17,853	4,610	1,687	24,628
1951-52	794	745	13,678	8	960	15,225
1952-53	1,283	731	15,035	75	1,429	17,124
1953-54	1,130	794	20,089	325	1,487	22,338
1954-55	988	689	15,644	600	1,223	17,921
1955-56	896	761	18,658	500	1,096	20,815
1956-57	831	716	19,053	1,080	1,039	21,680
1957-58	665	602	16,396	922	1,003	18,585
1958-59	400	720	18,561	1,160	536	20,841
1959-60	1,093	846	14,308	1,244	1,619	17,491
1960-61	842	888	15,714	1,281	1,396	18,725
1961-62	875	1,008	16,809	356	1,469	19,048

<sup>1/</sup> Includes both summer and winter grapefruit.

Source: Citrus Fruits - By States - Production, use, Value USDA - SRS - Washington, D. C.

TABLE 12. DESERT GRAPEFRUIT PRODUCTS: AMOUNT PROCESSED BY PRODUCING AREA, BY YEARS, 1941-42 THROUGH 1962-63.

Year	Producing Area				
	SRV <sup>1/</sup>	Yuma	Imperial	Coachella	Desert Total
(Thousand Packed Boxes)					
1941-42	1,112	110	155	123	1,500
1942-43	1,048	282	170	140	1,640
1943-44	1,700	208	167	173	2,248
1944-45	1,157	218	213	223	1,811
1945-46	1,621	212	159	136	2,128
1946-47	1,297	241	114	169	1,821
1947-48	596	194	88	155	1,033
1948-49	836	119	97	261	1,313
1949-50	2,394	240	119	336	3,089
1950-51	1,025	262	88	309	1,684
1951-52	592	217	40	127	976
1952-53	995	284	36	111	1,426
1953-54	803	328	65	292	1,488
1954-55	735	272	50	183	1,240
1955-56	640	259	38	162	1,099
1956-57	546	285	32	176	1,039
1957-58	396	266	46	292	1,000
1958-59	315	88	18	118	539
1959-60	698	395	72	454	1,619
1960-61	544	322	55	499	1,420
1961-62	596	278	38	556	1,468
1962-63	927	331	37	438	1,732

<sup>1/</sup> Salt River Valley.

Source: Annual Reports, Desert Grapefruit Administrative Committee.



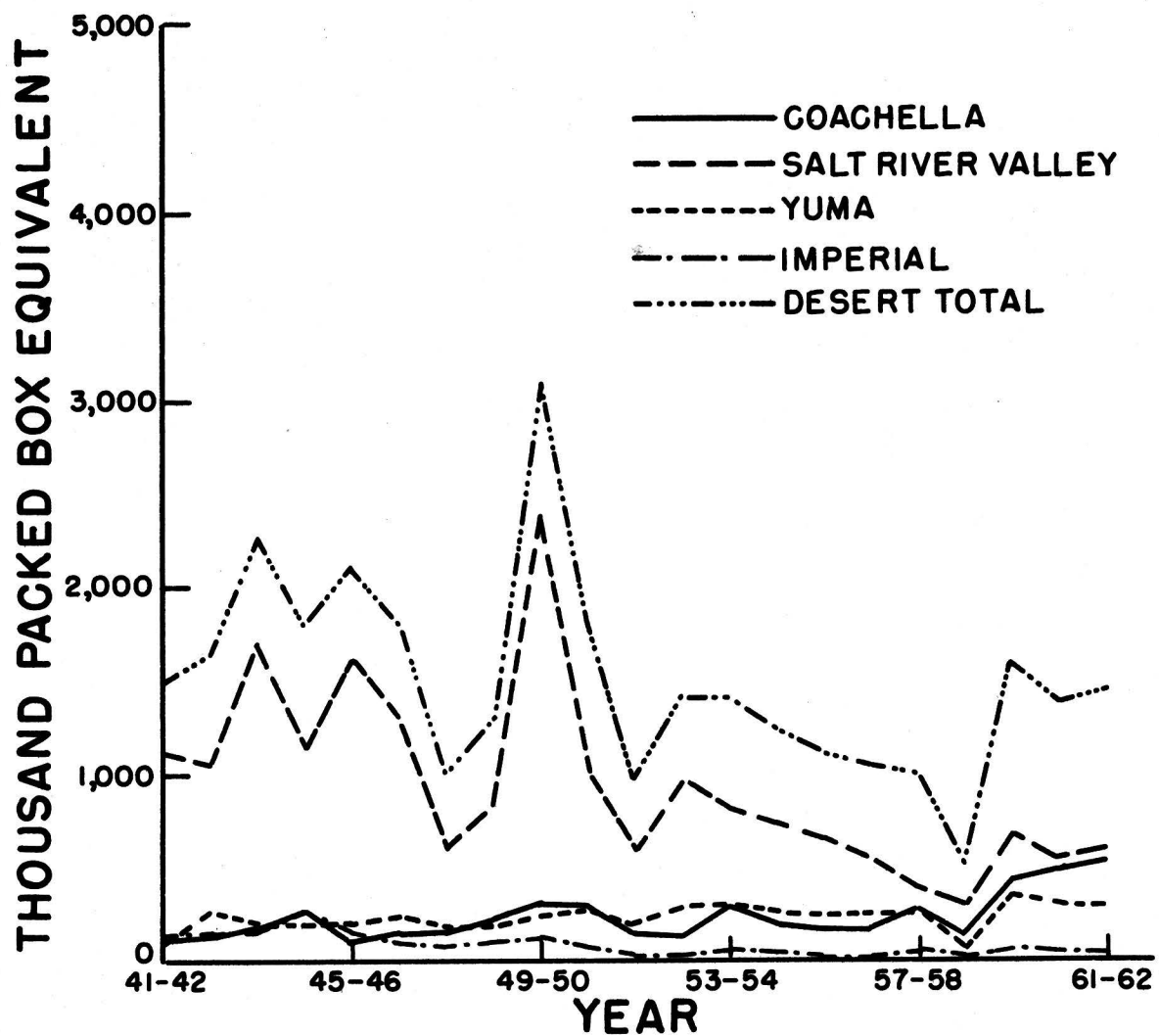


Fig. 9: DESERT GRAPEFRUIT PRODUCTS: Amount Processed by Producing Areas, 1941-42 Through 1961-62.

TABLE 13. GRAPEFRUIT PRODUCTS: PERCENT OF TOTAL PRODUCTION PROCESSED, SELECTED STATES AND UNITED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Florida	Texas	Calif.-Ariz. Desert	United States
(Percent)				
1930-31	18.3	4.7	--	15.8
1931-32	8.7	4.0	--	6.8
1932-33	21.8	3.2	1.3	17.2
1933-34	21.7	7.2	2.0	17.2
1934-35	36.5	14.0	13.1	29.3
1935-36	31.7	22.3	6.6	24.5
1936-37	37.4	26.6	29.0	32.7
1937-38	42.2	43.9	18.7	38.7
1938-39	39.5	35.3	11.5	34.8
1939-40	55.4	47.9	14.5	46.4
1940-41	56.4	45.6	21.9	48.9
1941-42	52.8	42.2	31.8	44.6
1942-43	64.4	45.0	42.6	53.9
1943-44	65.9	46.7	42.6	55.8
1944-45	67.9	42.8	34.3	51.4
1945-46	69.2	44.0	40.0	55.8
1946-47	54.7	38.2	34.1	45.4
1947-48	58.9	37.3	26.1	47.9
1948-49	54.0	46.7	49.1	50.8
1949-50	55.7	39.2	76.2	53.6
1950-51	53.8	61.5	39.1	52.9
1951-52	38.0	4.0	34.7	37.6
1952-53	46.3	18.8	37.3	44.6
1953-54	47.8	27.1	39.9	46.2
1954-55	45.0	24.0	36.1	42.5
1955-56	48.7	22.7	34.2	45.9
1956-57	50.9	38.6	34.7	48.4
1957-58	52.7	26.3	25.8	46.7
1958-59	52.7	27.6	21.4	47.6
1959-60	46.9	23.9	35.0	42.0
1960-61	49.7	18.8	39.9	43.2
1961-62	48.0	13.2	38.6	44.4

Source: Citrus Fruits - By States - Production, use, Value USDA - SRS-Washington, D. C.

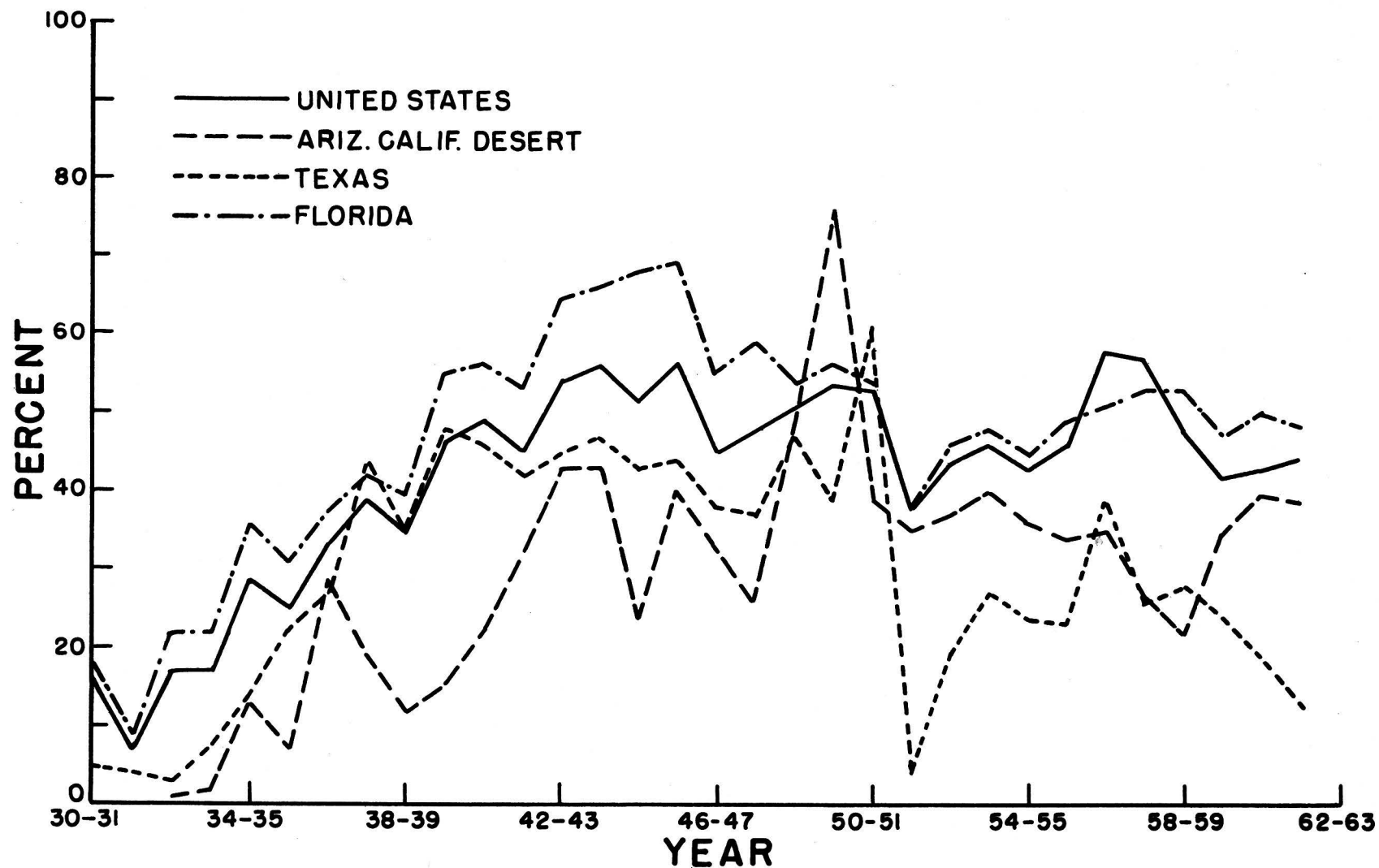


Fig. 10: GRAPEFRUIT PRODUCTS: Percent Processed by Selected States, 1930-31 Through 1961-62.

TABLE 14. DESERT GRAPEFRUIT PRODUCTS: PERCENT OF TOTAL PRODUCTION PROCESSED BY PRODUCING AREAS, BY YEARS, 1941-42 THROUGH 1962-63.

Year	SRV <sup>1/</sup>	Yuma	Imperial	Coachella	Desert Total
(Percent)					
1941-42	40	24	23	18	33
1942-43	52	51	33	19	43
1943-44	47	47	33	25	43
1944-45	37	35	28	25	34
1945-46	43	35	27	20	40
1946-47	37	44	24	23	34
1947-48	24	29	23	25	25
1948-49	77	19	51	45	50
1949-50	88	38	52	41	70
1950-51	43	37	37	34	40
1951-52	37	38	29	26	35
1952-53	43	44	21	17	38
1953-54	42	48	34	34	41
1954-55	41	43	29	25	37
1955-56	36	46	27	24	35
1956-57	33	55	33	25	35
1957-58	19	38	30	31	26
1958-59	21	21	19	22	21
1959-60	29	49	39	38	35
1960-61	32	52	44	45	40
1961-62	36	48	36	39	39
1962-63	60	56	52	39	52

<sup>1/</sup> Salt River Valley

Source: Annual Reports of Desert Grapefruit Administrative Committee.

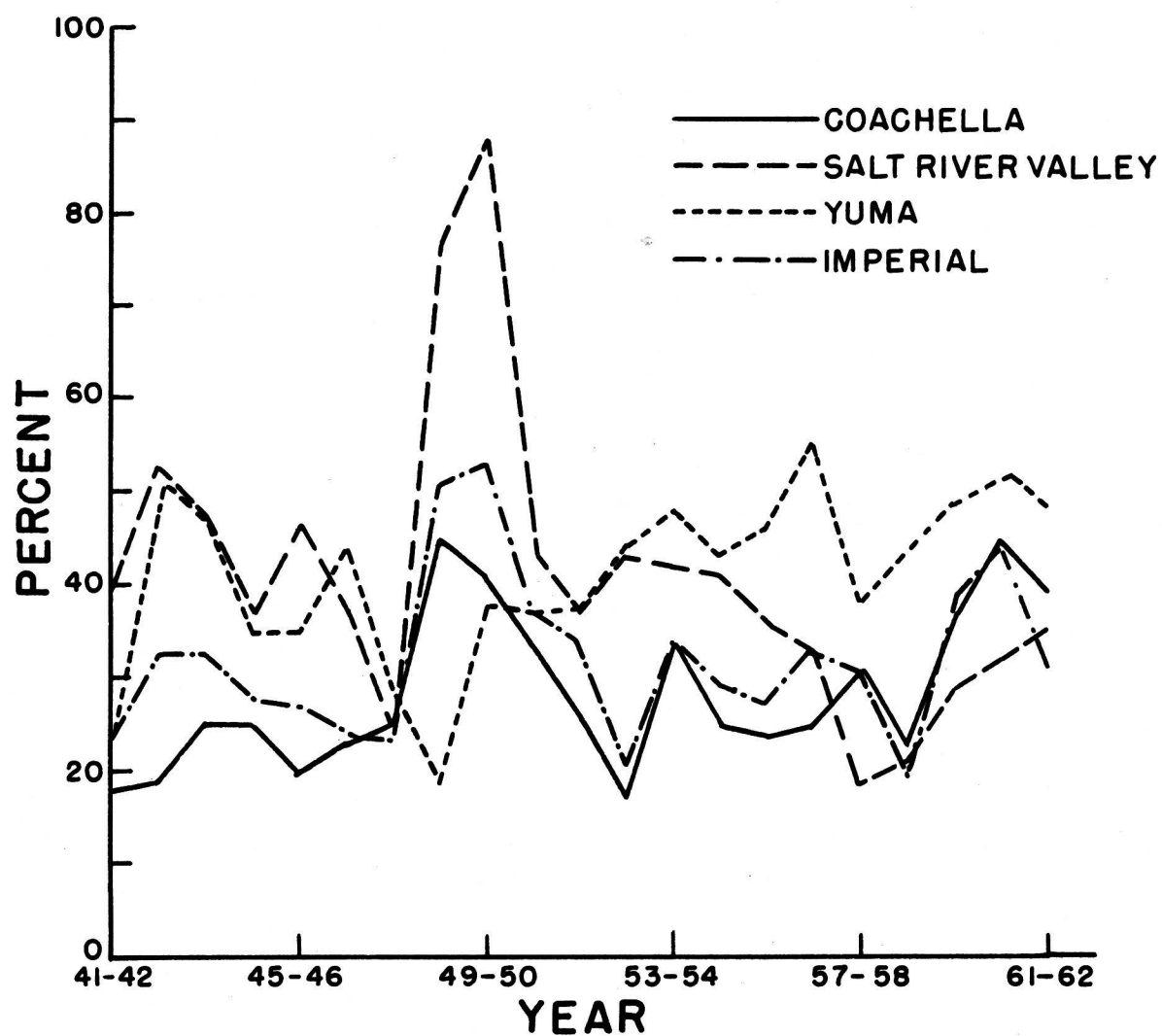


Fig. II.- DESERT GRAPEFRUIT PRODUCTS: Percent Processed by Producing Areas, 1941-42 Through 1961-62.



TABLE 15. GRAPEFRUIT: CARLOT UNLOADS IN TWENTY U. S. CITIES FROM THE FOUR GRAPEFRUIT PRODUCING AREAS, AVERAGES FOR 1956-57 AND 1961-62<sup>1/</sup>

Destination	Arizona		California		Florida		Texas	
	1956-57	1961-62	1956-57	1961-62	1956-57	1961-62	1956-57	1961-62
(Carloads)								
Atlanta	8	12	4	3	421	404	2	4
Boston	23	8	36	57	1,102	953	1	1
Buffalo	8	23	11	10	300	314	1	0
Chicago	41	16	42	38	1,693	1,280	49	234
Cincinnati	18	4	20	21	457	367	3	38
Cleveland	26	8	13	18	728	734	8	15
Dallas	16	5	18	33	212	142	145	263
Denver	12	14	35	42	374	267	55	229
Detroit	17	13	31	29	919	835	5	82
Indianapolis	15	9	12	13	282	321	1	41
Kansas City	29	4	23	32	302	226	57	124
Los Angeles	1,063	863	1,058	548	189	279	88	256
Minneapolis	10	8	25	28	430	35	105	195
New York	1	6	127	111	4,224	3,564	2	1
Philadelphia	10	16	33	38	1,525	941	3	0
Pittsburgh	33	10	17	16	697	629	4	5
Portland	103	68	42	59	160	158	36	97
Salt Lake City	72	21	15	40	116	147	99	142
San Francisco	334	273	290	197	90	207	40	121
Seattle	103	80	37	67	243	230	18	98

<sup>1/</sup> Includes Truck and Rail shipments.

Source: Fresh Fruit and Vegetable Unload Totals in 100 cities, 1962 and Previous Years, USDA, AMS, Washington, D. C.

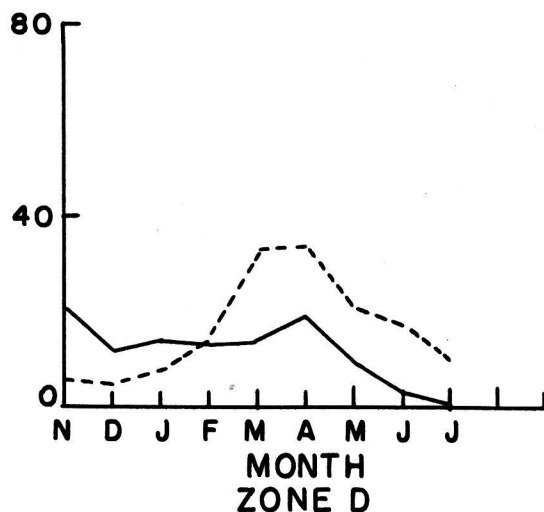
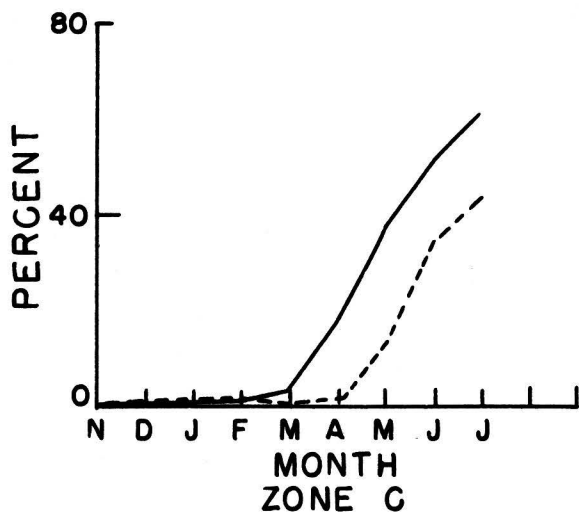
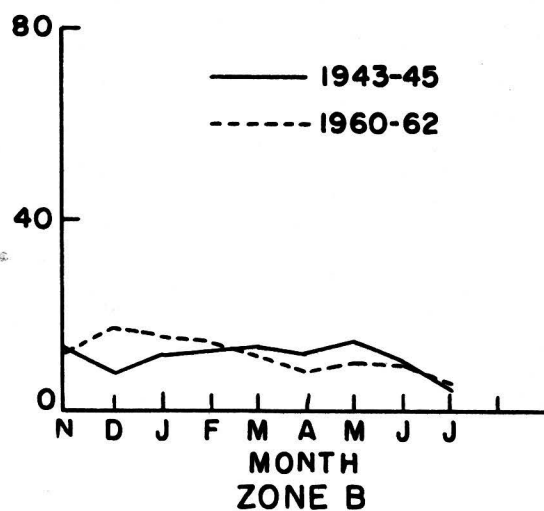
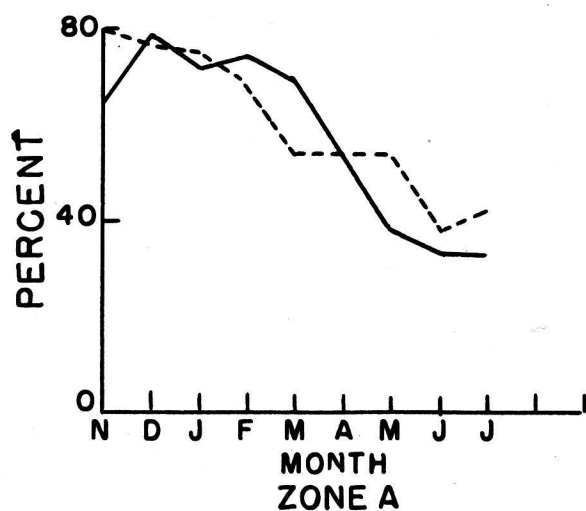


Fig. 12. DESERT GRAPEFRUIT SALES: Percent Of Each Month's Total Shipments Going To Each Zone, 1943-45 Shipments Compared To 1960-62 Shipments.

TABLE 16. DESERT GRAPEFRUIT: DESTINATION OF SHIPMENTS BY STATE BY YEAR 1948-49 THROUGH 1962-63.

Destination	Year														
	48-49	49-50	50-51	51-52	52-53	53-54	54-55	55-56	56-57	57-58	58-59	59-60	60-61	61-62	62-63
	(Thousand Packed Boxes)														
Arizona	12	22	39	21	9	29	22	20	23	31	42	47	54	40	33
California	982	1055	1640	1326	1330	1366	1511	1328	1184	1430	1365	1363	1221	1159	832
Colorado	15	2	16	4	19	11	3	10	13	47	16	29	11	34	32
Idaho	1	5	20	13	16	16	19	17	14	18	16	18	13	14	9
Montana	3	8	16	15	17	10	13	11	10	9	9	15	7	12	8
Nevada	*	1	*	*	1	2	2	1	3	4	3	3	2	2	2
New Mexico	2	2	13	9	11	7	6	9	8	7	8	9	8	6	10
Oregon	16	30	113	92	97	100	115	110	79	105	107	108	85	70	58
Utah	8	23	68	60	67	69	66	51	43	59	44	56	31	41	28
Washington	30	38	86	93	101	89	107	85	70	94	83	96	77	89	62
Wyoming	--	--	1	1	1	*	--	*	--	*	*	--	--	*	--
TOTAL	1070	1187	2011	1633	1668	1699	1862	1642	1448	1803	1692	1744	1509	1467	1074
Midwest <sup>1/</sup>	41	18	197	55	284	210	42	135	142	418	63	479	96	81	118
East <sup>2/</sup>	1	1	14	5	31	22	9	30	46	141	45	156	45	49	43
South <sup>3/</sup>	34	13	116	30	183	92	42	114	95	153	67	194	57	51	94
TOTAL	76	32	327	89	498	324	93	278	283	712	175	830	198	182	255
Canada <sup>4/</sup>	32	56	86	27	59	51	24	32	43	159	18	194	95	64	81
Exports <sup>4/</sup>	67	35	56	58	88	92	99	107	129	181	94	159	277	357	187
TOTAL	1246	1310	2480	1808	2313	2166	2080	2059	1903	2856	1979	2927	2079	2070	1597

\* Less than 500 packed boxes.

<sup>1/</sup> Midwest - North Dakota, South Dakota, Nebraska, Kansas, Missouri, Iowa, Wisconsin, Michigan, Illinois, Indiana, Ohio, Kentucky, and Minnesota.

<sup>2/</sup> East - West Virginia, Virginia, Pennsylvania, New Jersey, New York, Vermont, Rhode Island, Maryland, Connecticut, Delaware, Washington D. C., Maine, and Massachusetts.

<sup>3/</sup> South - Oklahoma, Arkansas, Louisiana, Mississippi, Alabama, Tennessee, North Carolina, South Carolina, Georgia, Florida, and Texas.

<sup>4/</sup> Exports include shipments to Alaska and Hawaii from 1955-56 to date.

Source: Annual Reports of Desert Grapefruit Administrative Committee.

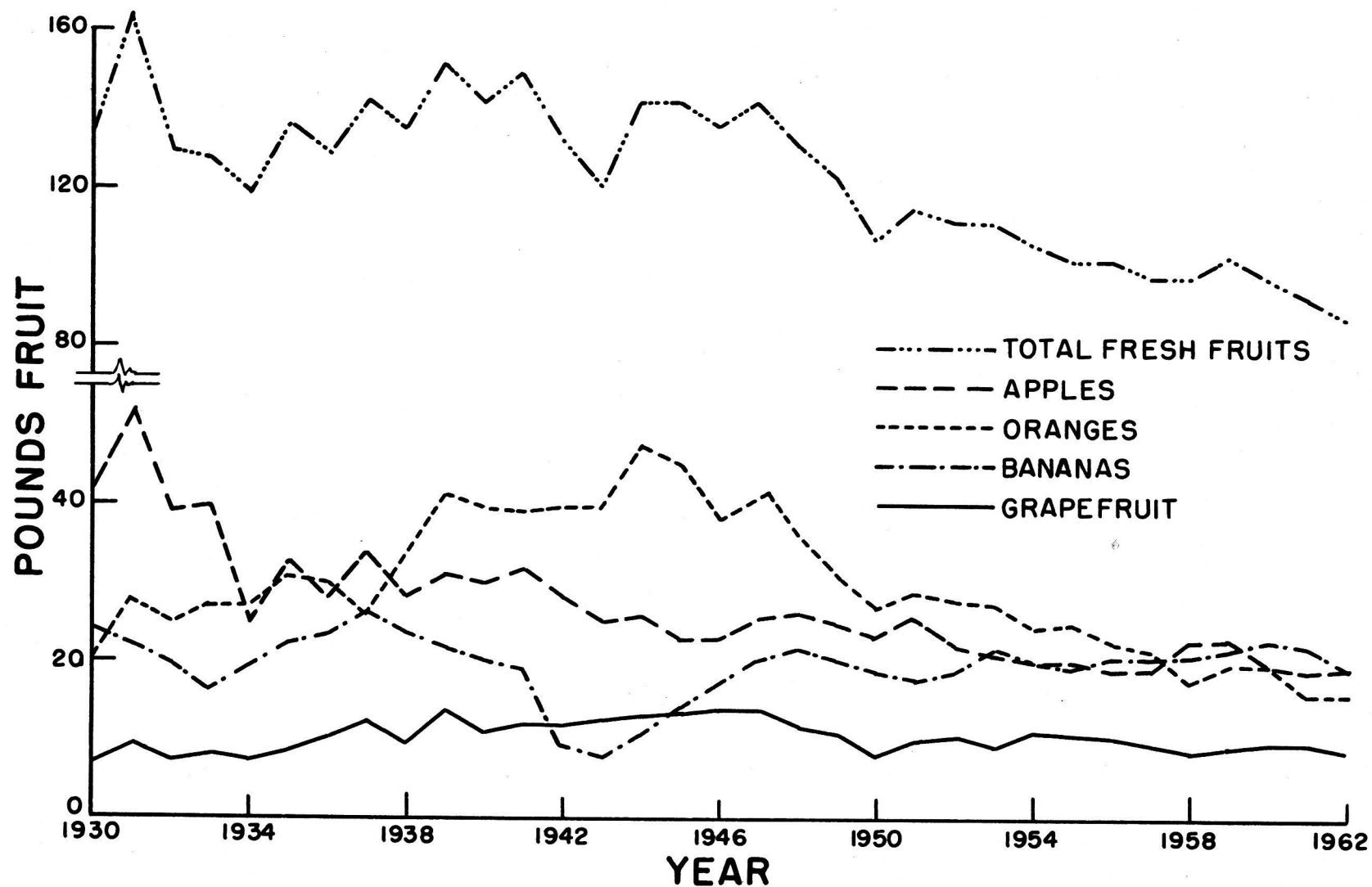


Fig. 13. CONSUMPTION, PER CAPITA: Fresh Grapefruit, Selected Competing Fruits And Total Fresh Fruit Consumption, United States, 1930-1962.

TABLE 17. DESTINATION OF DESERT GRAPEFRUIT: PERCENT OF TOTAL SHIPMENTS SENT TO EACH STATE OR CONSUMING AREA, AVERAGE OF YEARS 1957-58 THROUGH 1961-62 COMPARED WITH AVERAGE OF YEARS 1943-44 THROUGH 1947-48.

State	Destination of Shipments	
	1943-48	1957-62
	Percent	Percent
California	60.8	56.0
Washington	4.6	3.8
Oregon	3.5	4.0
Arizona	2.5	1.9
Utah	1.2	1.9
Other Western States	2.1	2.7
Total - Western States	74.7	70.3
Missouri	2.5	3.0
Illinois	1.6	1.3
Ohio	1.5	1.0
Other Midwestern States	3.4	3.4
Total - Midwestern States	9.0	8.7
Texas	1.2	1.9
Other Southern States	1.5	2.6
Total - Southern States	2.7	4.5
Eastern States	2.3	3.2
Canada	3.6	4.1
Other Exports	<u>7.7</u>	<u>9.2</u>
Total	100.0%	100.0%

Source: Annual reports of Desert Grapefruit Administrative Committee.

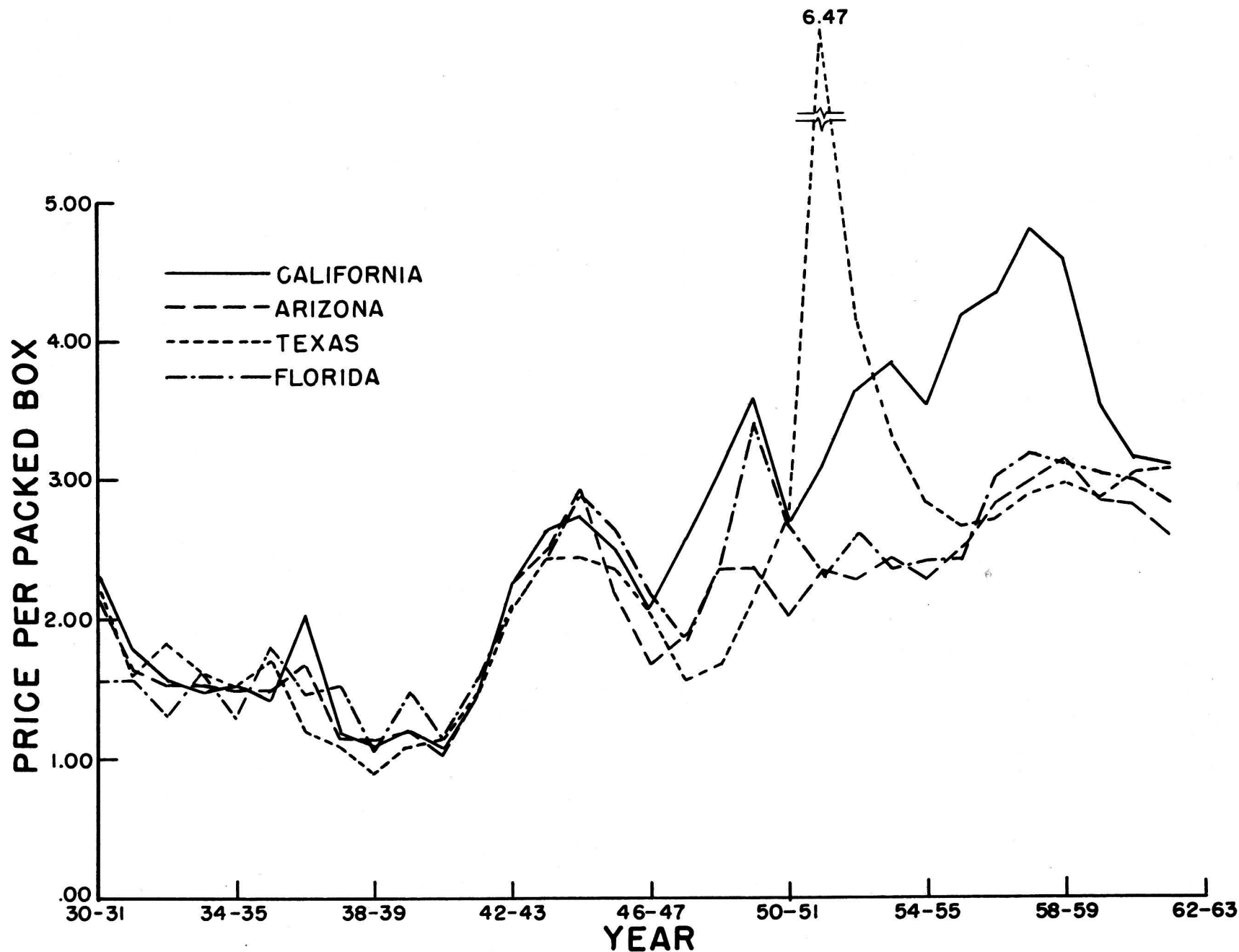


Fig. 14. FRESH GRAPEFRUIT: Equivalent F.O.B. Returns Per Packed Box For Selected States By Years, 1930-31-1961-62.



TABLE 18. DESTINATION OF SHIPMENTS OF DESERT GRAPEFRUIT: PERCENT OF EACH MONTH'S TOTAL SHIPMENTS GOING TO EACH ZONE, 1960-62 SHIPMENT COMPARED WITH 1943-45 SHIPMENTS.

Month	Zone "A"*		Zone "B"*		Zone "C"*		Zone "D"*	
	43-45	60-62	43-45	60-62	43-45	60-62	43-45	60-62
	(Percent)							
November	64.3	80.6	14.4	13.3	0.5	0.1	20.8	6.0
December	78.9	77.0	8.1	17.7	0.6	0.2	12.4	5.1
January	72.6	74.4	12.4	16.4	0.8	0.7	14.2	8.5
February	73.3	70.3	13.1	14.5	0.7	1.4	12.9	13.8
March	68.6	54.3	13.4	12.5	4.4	0.6	13.6	32.6
April	54.4	55.0	12.5	9.3	18.2	1.5	14.9	34.2
May	37.9	55.0	15.0	10.4	38.4	13.7	8.7	20.9
June	33.4	37.8	11.2	9.7	52.3	34.8	3.1	17.7
July	32.9	41.5	4.3	5.6	62.3	43.3	0.5	29.6

\* Zone "A" includes California and Arizona.

\* Zone "B" includes Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming.

\* Zone "C" includes the remaining 38 states.

\* Zone "D" includes Canada and other exports.

Source: Annual Reports of Desert Grapefruit Administrative Committee.  
Average of years 1943-45 and 1960-62.

TABLE 19. RAILROAD FREIGHT RATES FOR FRESH GRAPEFRUIT, 1963.

Point of Origin	Destination					
	Los Angeles	San Francisco	Seattle	Denver	Chicago	New York
(Rate Per Hundredweight)						
Phoenix, Arizona	\$ .525	\$ .79	\$1.25	\$1.70	\$2.03	\$2.03
Yuma, Arizona	.345	.74	1.25	1.70	2.03	2.03
Brawley, California	.305	.79	1.20	1.70	2.03	2.03
Mecca, California	.305	.585	1.20	1.70	2.03	2.03
Harlingen, Texas	2.05	2.05	2.05	1.01	1.07	1.88
Orlando, Florida	2.21	2.21	2.21	2.21	.98	.88

Source: Southern Pacific Railroad.

TABLE 20. DESERT GRAPEFRUIT: PERCENTAGE SHIPPED BY RAIL AND BY TRUCK, BY YEARS, 1941-42 THROUGH 1962-63<sup>1/</sup>

Year	Arizona			California		
	Rail	Truck	Total	Rail	Truck	Total
(Percent)						
1941-42	62	38	100	24	76	100
1942-43	58	42	100	30	70	100
1943-44	65	35	100	36	64	100
1944-45	76	24	100	54	46	100
1945-46	66	34	100	42	58	100
1946-47	54	46	100	33	67	100
1947-48	42	58	100	11	89	100
1948-49	36	64	100	9	91	100
1949-50	31	69	100	14	86	100
1950-51	38	62	100	10	90	100
1951-52	30	70	100	11	89	100
1952-53	42	58	100	8	92	100
1953-54	30	70	100	7	93	100
1954-55	21	79	100	5	95	100
1955-56	26	74	100	5	95	100
1956-57	23	77	100	4	96	100
1957-58	32	68	100	16	84	100
1958-59	15	85	100	2	98	100
1959-60	36	64	100	20	80	100
1960-61	16	84	100	9	91	100
1961-62	14	86	100	6	94	100
1962-63	15	85	100	7	93	100

<sup>1/</sup> Data based on fresh shipments only. Does not include processed grapefruit or exported grapefruit.

Source: Annual Reports of Desert Grapefruit Administrative Committee.

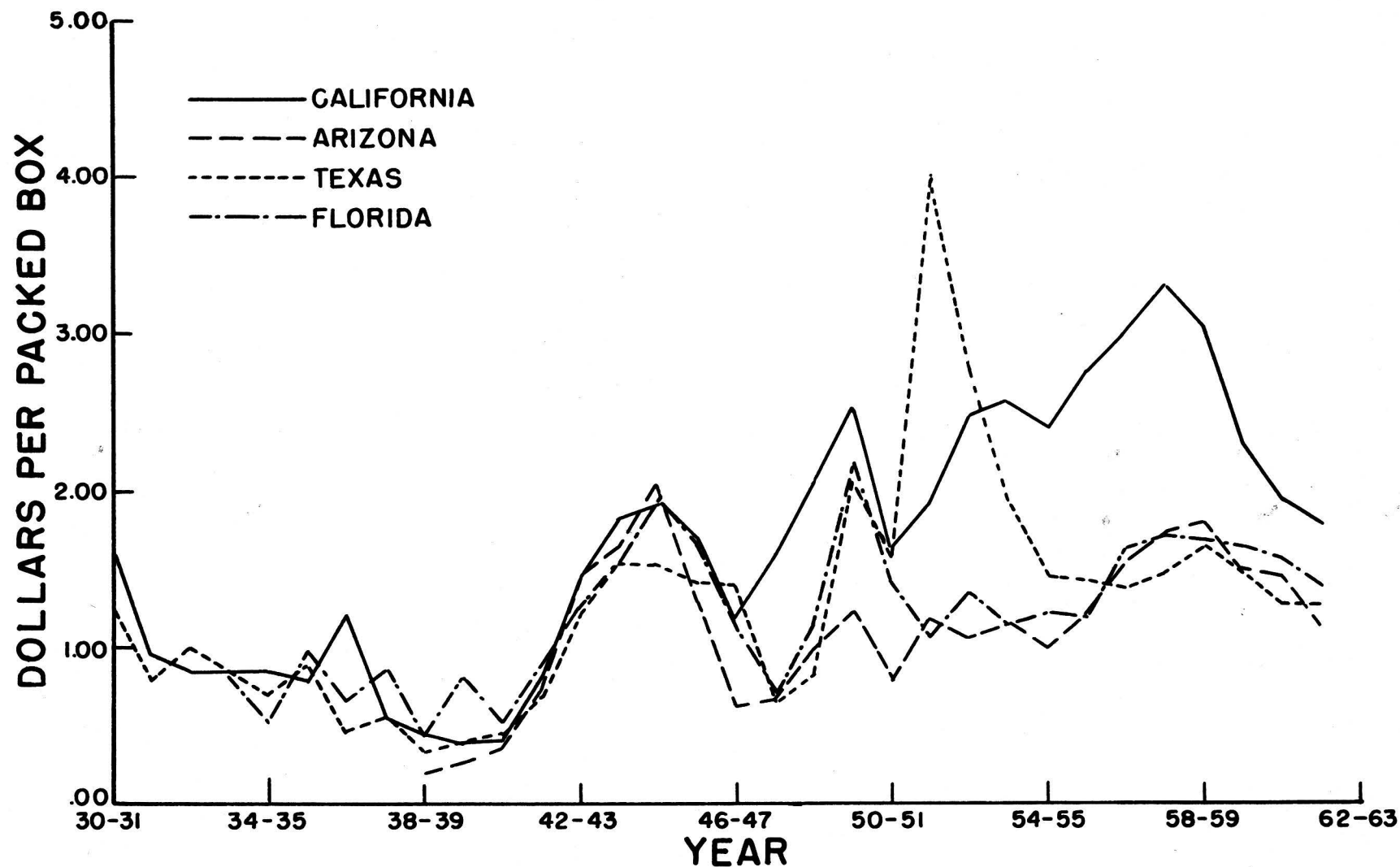


Fig. 15. FRESH GRAPEFRUIT: Equivalent Packing House Door Returns Per Packed Box, Selected States, By Years, 1930-31 Through 1961-62.

TABLE 21. PER CAPITA CONSUMPTION: FRESH GRAPEFRUIT, SELECTED COMPETING FRUITS, TOTAL FRESH FRUIT CONSUMPTION, UNITED STATES, BY YEARS, 1930-62.

Year	Grapefruit	Oranges	Bananas	Apples	Total Fresh Fruit
(Pounds)					
1930	6.6	19.9	24.3	42.1	133.6
1931	9.4	27.6	22.0	51.7	163.6
1932	7.4	24.6	19.8	39.2	128.9
1933	7.9	26.6	16.3	40.0	127.2
1934	7.7	27.0	19.3	25.3	119.1
1935	8.3	30.7	22.2	32.9	136.5
1936	10.2	30.1	23.6	27.6	129.1
1937	12.3	26.6	26.9	33.6	142.5
1938	9.6	33.5	24.1	28.2	135.3
1939	13.7	41.1	22.1	30.7	151.5
1940	11.1	39.4	20.3	29.7	142.1
1941	12.2	38.9	19.5	31.7	148.9
1942	12.1	39.8	9.4	28.1	131.4
1943	12.5	39.7	8.2	24.9	119.7
1944	13.0	47.6	10.6	25.5	141.7
1945	13.5	45.1	14.2	22.9	142.0
1946	14.0	37.9	17.3	23.0	136.5
1947	13.9	41.5	20.1	25.4	142.3
1948	12.3	35.7	21.9	26.3	131.1
1949	10.9	30.7	20.5	24.7	122.8
1950	8.2	26.9	19.1	22.7	106.8
1951	10.3	28.8	18.3	25.7	115.2
1952	10.5	27.9	18.9	21.6	112.1
1953	9.7	27.6	21.7	20.9	111.1
1954	11.0	24.5	20.2	20.0	105.7
1955	10.7	24.8	19.5	19.6	100.6
1956	10.5	22.6	20.3	18.9	100.7
1957	9.5	21.6	20.2	19.3	98.4
1958	8.7	17.6	20.6	22.6	97.1
1959	9.1	19.8	22.0	23.0	100.9
1960	9.6	19.4	23.2	20.1	97.5
1961 <sup>1/</sup>	9.4	16.2	21.9	18.6	92.1
1962 <sup>1/</sup>	8.6	15.8	18.7	19.1	87.1

<sup>1/</sup> Preliminary.

Source: Agricultural Statistics USDA Yearbook, Statistical Supplements.

TABLE 22. DESERT GRAPEFRUIT: TOTAL EXPORT, BY PRODUCING AREA, BY YEARS, 1941-42 THROUGH 1962-63.

Year	SRV <sup>1/</sup>	Yuma	Imperial	Coachella	Desert Total
(Packed Boxes)					
1941-42	3,905	4,652	1,338	0	9,895
1942-43	15,479	2,805	667	16,247	35,198
1943-44	116,370	0	1,443	26,690	144,503
1944-45	80,305	6,000	589	27,220	114,114
1945-46	330,850	10,664	12,640	25,339	379,493
1946-47	262,691	31,764	1,858	13,486	309,799
1947-48	74,496	17,606	0	12,615	104,717
1948-49	20,807	44,169	0	2,736	67,712
1949-50	6,749	10,393	0	17,708	34,850
1950-51	46,971	8,221	0	3,160	58,352
1951-52	52,548	1,087	40	4,823	58,498
1952-53	67,767	17,202	0	3,382	88,351
1953-54	55,348	14,414	0	19,966	89,728
1954-55	40,208	25,772	2,339	28,066	96,385
1955-56	35,803	5,379	14,384	53,491	109,057
1956-57	62,082	3,307	11,524	52,775	129,688
1957-58	56,051	14,932	27,730	81,363	180,076
1958-59	50,550	7,028	12,994	29,751	100,323
1959-60	53,394	5,391	16,724	87,249	162,758
1960-61	108,845	21,963	31,505	113,980	276,293
1961-62	137,710	31,815	23,855	158,321	351,701
1962-63	68,316	43,228	22,083	239,927	373,554

<sup>1/</sup> Salt River Valley.

Source: Annual Reports of Desert Grapefruit Administrative Committee.



TABLE 23. DESERT GRAPEFRUIT: PERCENT OF TOTAL PRODUCTION BY PRODUCING AREA, BY YEARS, 1941-42 THROUGH 1962-63.

Year	SRV <sup>1/</sup>	Yuma	Imperial	Coachella	Desert Total
(Percent)					
1941-42	.14	1.04	.20	0	.21
1942-43	.78	5.06	.12	2.23	.93
1943-44	.32	0	.29	3.87	2.77
1944-45	.27	.95	.09	3.02	2.18
1945-46	9.66	1.80	2.34	3.77	7.25
1946-47	9.11	5.75	.38	1.83	6.64
1947-48	5.17	2.73	0	2.07	3.42
1948-49	1.72	7.08	0	.48	2.60
1949-50	.25	1.65	0	2.16	.79
1950-51	1.97	1.17	0	.34	1.38
1951-52	3.26	.19	.03	.99	2.08
1952-53	2.96	2.68	0	.53	2.35
1953-54	2.87	2.11	0	3.32	2.45
1954-55	2.25	4.03	1.36	3.80	2.89
1955-56	2.00	.95	10.20	7.84	3.44
1956-57	3.79	.64	11.88	7.48	4.39
1957-58	2.71	2.12	18.12	8.63	4.66
1958-59	3.17	1.65	12.49	5.65	4.97
1959-60	2.21	.66	8.99	7.25	3.52
1960-61	6.36	3.54	24.81	10.25	7.74
1961-62	8.19	5.50	22.71	11.08	9.25
1962-63	2.20	3.66	15.55	10.73	5.60

<sup>1/</sup> Salt River Valley.

Source: Annual Reports of Desert Grapefruit Administrative Committee.

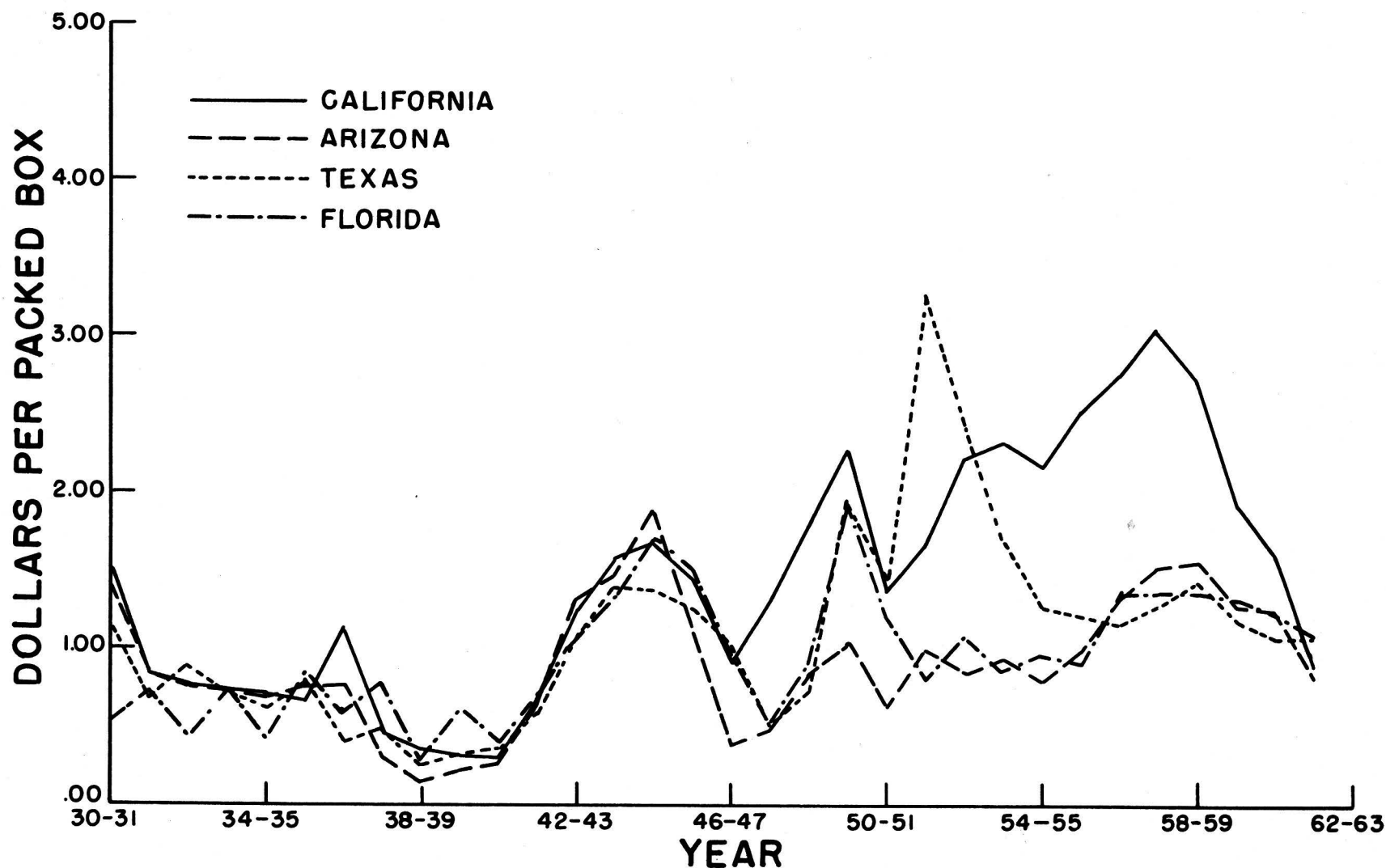


Fig. 16. FRESH GRAPEFRUIT: Equivalent On Tree Returns Per Packed Box Selected States, By Years, 1930-31-1961-62.

TABLE 24. FRESH GRAPEFRUIT: EQUIVALENT F.O.B. RETURNS PER PACKED BOX,  
SELECTED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona	California <sup>1/</sup>	Florida	Texas
(Dollars Per Packed Box)				
1930-31	2.21	2.36	1.57	2.27
1931-32	1.65	1.82	1.58	1.62
1932-33	1.53	1.58	1.32	1.78
1933-34	1.53	1.50	1.63	1.61
1934-35	1.49	1.54	1.31	1.53
1935-36	1.50	1.41	1.80	1.73
1936-37	1.68	2.02	1.47	1.18
1937-38	1.15	1.19	1.54	1.10
1938-39	1.12	1.10	1.04	.90
1939-40	1.19	1.22	1.48	1.10
1940-41	1.03	1.10	1.14	1.05
1941-42	1.42	1.45	1.54	1.50
1942-43	2.24	2.29	2.12	2.10
1943-44	2.52	2.66	2.44	2.45
1944-45	2.93	2.75	2.89	2.45
1945-46	2.20	2.52	2.65	2.35
1946-47	1.68	2.08	2.18	2.05
1947-48	1.88	2.60	1.84	1.56
1948-49	2.37	3.04	2.35	1.69
1949-50	2.35	3.60	3.43	3.15
1950-51	2.03	2.70	2.68	2.77
1951-52	2.37	3.10	2.32	6.47
1952-53	2.29	3.67	2.61	4.15
1953-54	2.44	3.85	2.35	3.30
1954-55	2.28	3.54	2.42	2.83
1955-56	2.49	4.18	2.43	2.68
1956-57	2.84	4.36	3.02	2.71
1957-58	3.00	4.78	3.19	2.90
1958-59	3.14	4.59	3.12	2.97
1959-60	2.85	3.55	3.03	2.86
1960-61	2.80	3.18	2.98	3.03
1961-62	2.60	3.10	2.83	3.07

<sup>1/</sup> California Desert Valleys.

Source: Prices Received by Farmers - Citrus Fruits, Noncitrus Fruits, Tree Nuts, USDA, SRS, Washington, D. C.

TABLE 25. FRESH GRAPEFRUIT: EQUIVALENT PACKING HOUSE DOOR RETURNS PER PACKED BOX, SELECTED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona <sup>2/</sup>	California <sup>1/</sup>	Florida <sup>2/</sup>	Texas
(Dollars Per Packed Box)				
1930-31	-	1.64	-	1.29
1931-32	-	.97	-	.82
1932-33	-	.86	-	1.01
1933-34	-	.86	.83	.86
1934-35	-	.86	.54	.73
1935-36	-	.79	.97	.90
1936-37	-	1.22	.67	.47
1937-38	-	.56	.86	.58
1938-39	.27	.47	.40	.35
1939-40	.34	.42	.80	.41
1940-41	.36	.44	.53	.45
1941-42	.74	.81	.87	.70
1942-43	1.48	1.48	1.26	1.23
1943-44	1.66	1.83	1.53	1.55
1944-45	2.06	1.93	1.91	1.54
1945-46	1.32	1.71	1.69	1.42
1946-47	.64	1.19	1.14	1.16
1947-48	.68	1.58	.72	.66
1948-49	1.00	2.07	1.15	.84
1949-50	1.24	2.54	2.19	2.09
1950-51	.83	1.63	1.42	1.57
1951-52	1.19	1.93	1.09	4.04
1952-53	1.06	2.50	1.36	2.76
1953-54	1.16	2.58	1.14	1.95
1954-55	1.00	2.42	1.23	1.47
1955-56	1.20	2.76	1.20	1.42
1956-57	1.56	3.00	1.64	1.35
1957-58	1.73	3.33	1.71	1.47
1958-59	1.80	3.03	1.69	1.64
1959-60	1.50	2.30	1.64	1.39
1960-61	1.45	1.94	1.57	1.27
1961-62	1.13	1.80	1.40	1.27

<sup>1/</sup> California Desert Valleys.

<sup>2/</sup> Data not available for Arizona prior to 1938-39, and for Florida prior to 1933-34.

Source: Prices Received by Farmers - Citrus Fruits, Noncitrus Fruits, Tree Nuts, USDA, SRS, Washington, D. C.

TABLE 26. FRESH GRAPEFRUIT: EQUIVALENT ON TREE RETURNS PER PACKED BOX, SELECTED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona	California <sup>1/</sup>	Florida	Texas
(Dollars Per Packed Box)				
1930-31	1.44	1.50	.53	1.18
1931-32	.85	.84	.71	.68
1932-33	.75	.75	.42	.89
1933-34	.74	.74	.71	.72
1934-35	.68	.71	.42	.63
1935-36	.75	.67	.85	.79
1936-37	.76	1.15	.58	.39
1937-38	.33	.46	.77	.48
1938-39	.17	.37	.30	.25
1939-40	.24	.32	.63	.31
1940-41	.26	.32	.42	.35
1941-42	.62	.67	.73	.57
1942-43	1.32	1.26	1.08	1.08
1943-44	1.48	1.58	1.34	1.40
1944-45	1.88	1.68	1.72	1.38
1945-46	1.13	1.46	1.50	1.26
1946-47	.38	.93	.94	1.01
1947-48	.48	1.32	.52	.52
1948-49	.85	1.81	.95	.72
1949-50	1.05	2.27	1.99	1.95
1950-51	.64	1.37	1.22	1.42
1951-52	1.00	1.66	.81	3.29
1952-53	.84	2.24	1.08	2.46
1953-54	.94	2.33	.86	1.70
1954-55	.78	2.19	.95	1.27
1955-56	.98	2.52	.92	1.22
1956-57	1.34	2.76	1.36	1.15
1957-58	1.51	3.05	1.37	1.27
1958-59	1.55	2.71	1.36	1.44
1959-60	1.27	1.92	1.31	1.19
1960-61	1.22	1.60	1.24	1.07
1961-62	.83	1.40	1.07	1.07

<sup>1/</sup> California Desert Valleys.

Source: Prices Received by Farmers - Citrus Fruits, Noncitrus Fruits, Tree Nuts, USDA, SRS, Washington, D. C.

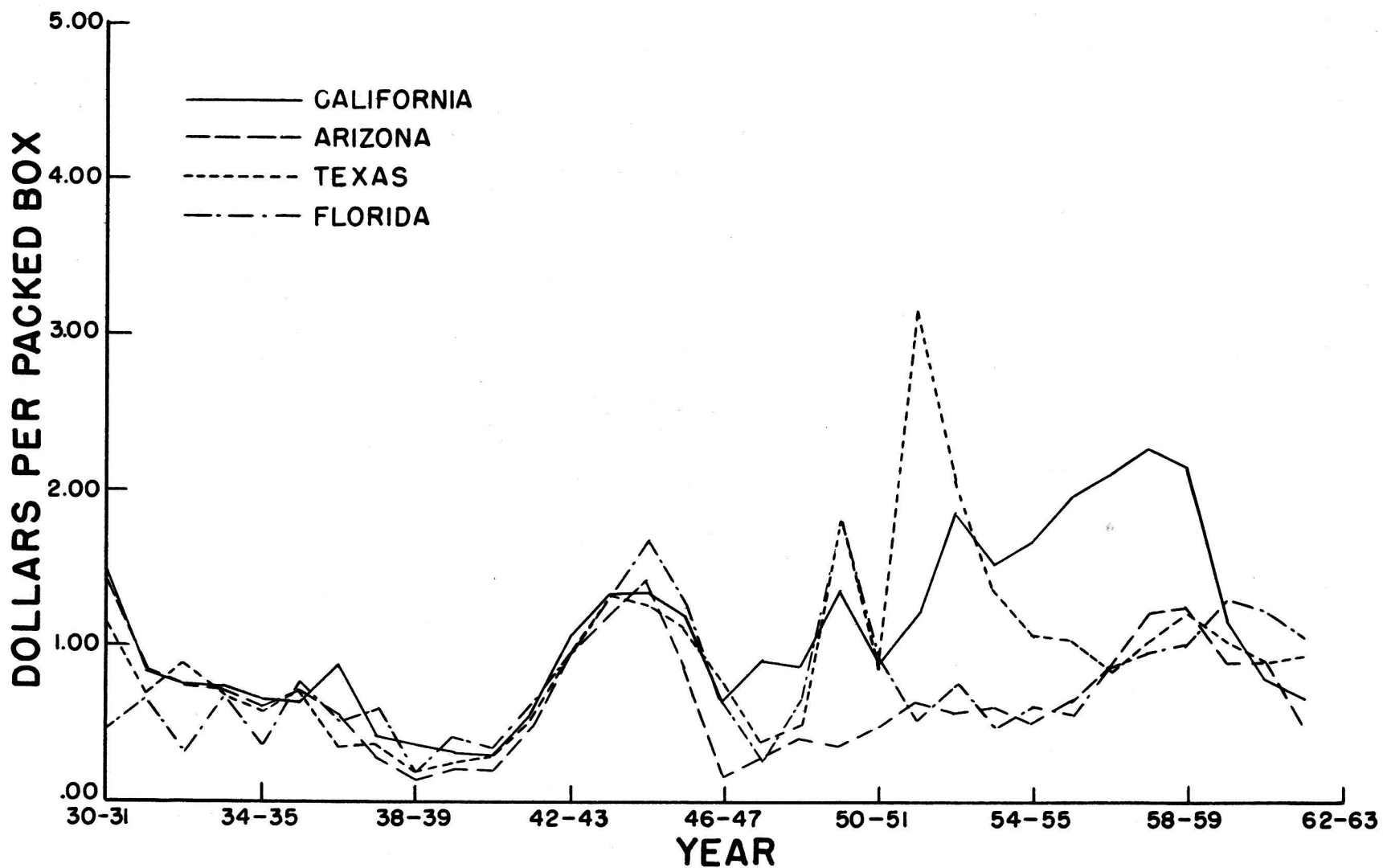


Fig. 17. GRAPEFRUIT, ALL: Equivalent On Tree Returns Per Packed Box Selected States, By Year, 1930-31 - 1961-62.



TABLE 27. GRAPEFRUIT, ALL: EQUIVALENT ON TREE RETURNS PER PACKED BOX, SELECTED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona	California <sup>1/</sup>	Florida	Texas
(Dollars Per Packed Box)				
1930-31	1.44	1.50	.49	1.15
1931-32	.85	.84	.67	.67
1932-33	.75	.75	.36	.88
1933-34	.72	.74	.66	.68
1934-35	.61	.65	.35	.57
1935-36	.72	.64	.77	.71
1936-37	.56	.88	.51	.35
1937-38	.29	.44	.59	.36
1938-39	.14	.36	.22	.19
1939-40	.21	.31	.42	.23
1940-41	.20	.30	.33	.29
1941-42	.47	.56	.63	.51
1942-43	.96	1.07	.92	.98
1943-44	1.19	1.33	1.31	1.34
1944-45	1.44	1.35	1.70	1.27
1945-46	.85	1.22	1.27	1.11
1946-47	.15	.66	.63	.77
1947-48	.28	.92	.26	.38
1948-49	.43	.87	.67	.50
1949-50	.36	1.36	1.79	1.83
1950-51	.49	.90	.94	.87
1951-52	.65	1.19	.52	3.14
1952-53	.56	1.86	.76	2.06
1953-54	.62	1.53	.49	1.37
1954-55	.51	1.67	.63	1.07
1955-56	.65	1.97	.57	1.04
1956-57	.87	2.11	.89	.84
1957-58	1.22	2.26	.98	1.04
1958-59	1.25	2.16	1.04	1.21
1959-60	.88	1.15	1.05	1.04
1960-61	.85	.79	.96	.91
1961-62	.50	.69	.68	.93

<sup>1/</sup> California Desert Valleys.

Source: Prices Received by Farmers - Citrus Fruits, Noncitrus Fruits, Tree Nuts, USDA, SRS, Washington, D. C.

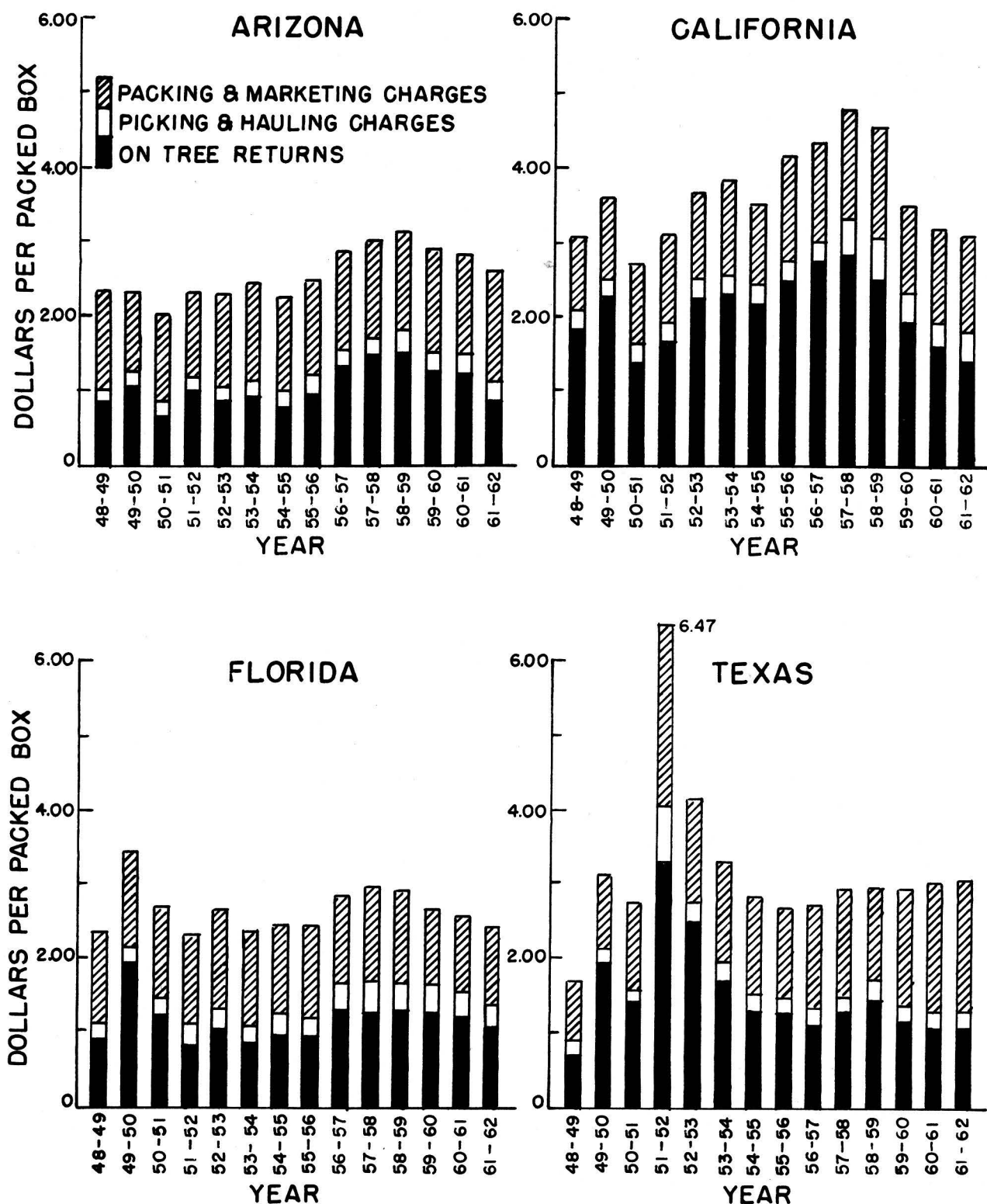


Fig.18. FRESH GRAPEFRUIT: Production Returns And Marketing Charges, Farm Through Packinghouse, By State, By Year, 1948- 49 —1961-62.

SOURCE: TABLES 24-25-26

TABLE 28. GRAPEFRUIT, ALL: EQUIVALENT ON TREE RETURNS PER HUNDRED WEIGHT, SELECTED STATES, BY YEARS, 1930-31 THROUGH 1961-62<sup>1/</sup>.

Year	Arizona	California <sup>1/</sup>	Florida	Texas
(Dollars Per Hundredweight)				
1930-31	2.25	2.34	.61	1.43
1931-32	1.33	1.31	.84	.84
1932-33	1.17	1.17	.45	1.10
1933-34	1.13	1.16	.83	.85
1934-35	.95	1.02	.44	.71
1935-36	1.13	1.00	.96	.89
1936-37	.88	1.38	.64	.44
1937-38	.45	.69	.74	.45
1938-39	.22	.56	.28	.24
1939-40	.33	.48	.53	.29
1940-41	.31	.47	.41	.36
1941-42	.73	.88	.79	.64
1942-43	1.50	1.67	1.15	1.23
1943-44	1.86	2.09	1.64	1.68
1944-45	2.25	2.11	2.13	1.59
1945-46	1.33	1.91	1.59	1.39
1946-47	.23	1.03	.79	.96
1947-48	.44	1.44	.33	.48
1948-49	.67	1.36	.84	.63
1949-50	.56	2.13	2.24	2.29
1950-51	.77	1.41	1.18	1.09
1951-52	1.02	1.86	.65	3.93
1952-53	.88	2.91	.95	2.58
1953-54	.97	2.39	.61	1.71
1954-55	.80	2.61	.79	1.34
1955-56	1.02	3.08	.71	1.30
1956-57	1.36	3.30	1.11	1.05
1957-58	1.91	3.53	1.23	1.30
1958-59	1.95	3.38	1.30	1.51
1959-60	1.38	1.80	1.31	1.30
1960-61	1.33	1.23	1.20	1.14
1961-62	.78	1.08	.85	1.16

<sup>1/</sup> Conversions to price per hundred weight are made by multiplying Arizona and California Packed Box price by 1.5625 and Texas and Florida Packed Box price by 1.25. See page 2 for box weights.

<sup>2/</sup> California Desert Valleys.

Source: Prices Received by Farmers - Citrus Fruits, Noncitrus Fruits, Tree Nuts, USDA, SRS, Washington, D. C.

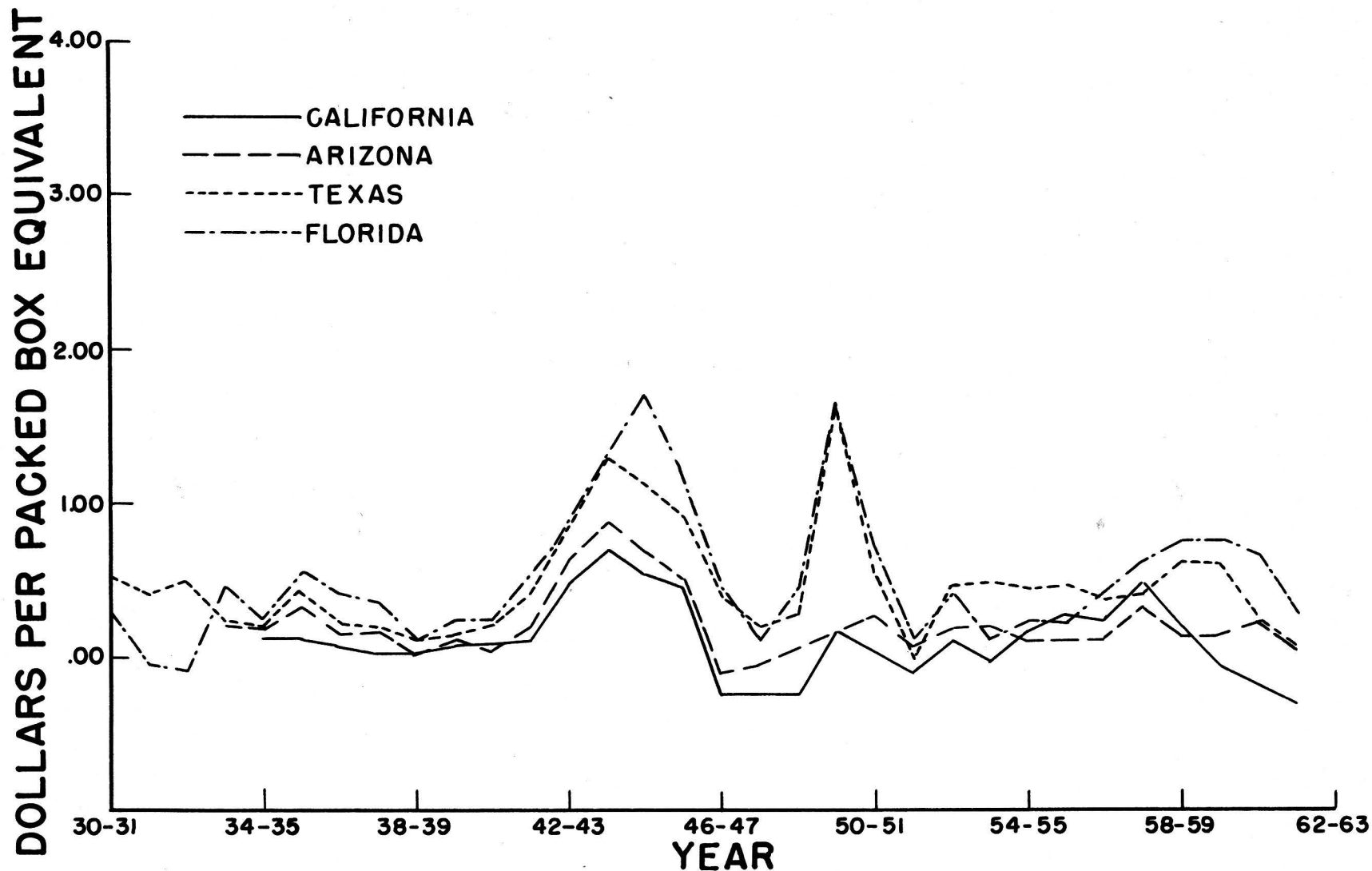


Fig. 19. PROCESSED GRAPEFRUIT: Equivalent On Tree Returns Per Packed Box Selected States, By Years, 1930-31—1961-62.

TABLE 29. PROCESSED GRAPEFRUIT: EQUIVALENT ON TREE RETURNS PER PACKED BOX, SELECTED STATES, BY YEARS, 1930-31 THROUGH 1961-62.

Year	Arizona <sup>2/</sup>	California <sup>1/2/</sup>	Florida	Texas
(Dollars Per Packed Box)				
1930-31	--	--	.29	.52
1931-32	--	--	.20	.40
1932-33	--	--	.16	.48
1933-34	.20	--	.46	.22
1934-35	.19	.13	.24	.19
1935-36	.33	.12	.56	.43
1936-37	.15	.08	.40	.23
1937-38	.17	.04	.35	.20
1938-39	.01	.02	.12	.11
1939-40	.11	.07	.24	.15
1940-41	.04	.08	.27	.21
1941-42	.19	.12	.54	.42
1942-43	.64	.49	.84	.85
1943-44	.87	.70	1.30	1.27
1944-45	.68	.53	1.69	1.12
1945-46	.50	.47	1.17	.92
1946-47	-.10	-.23	.43	.39
1947-48	-.04	-.24	.13	.18
1948-49	.05	-.25	.43	.26
1949-50	.16	.16	1.63	1.65
1950-51	.27	.03	.70	.54
1951-52	.07	-.10	.12	.00
1952-53	.19	.12	.40	.47
1953-54	.18	-.02	.11	.49
1954-55	.11	.17	.24	.45
1955-56	.12	.26	.20	.46
1956-57	.11	.24	.44	.37
1957-58	.32	.48	.63	.41
1958-59	.14	.18	.75	.62
1959-60	.14	-.08	.76	.59
1960-61	.23	-.20	.66	.24
1961-62	.03	-.28	.26	.05

<sup>1/</sup> California Desert Valleys.

<sup>2/</sup> Quantities Processed in Arizona prior to 1933 and in California prior to 1934 were negligible.

Source: Prices Received by Farmers - Citrus Fruits, Noncitrus Fruits, Tree Nuts, USDA, SRS, Washington, D. C.

TABLE 30. ARIZONA CITRUS ACREAGE, 1962.

Kind of Citrus	Acres						Total Arizona
	Bearing			Nonbearing			
	Yuma	SRV <sup>1/</sup>	Total	Yuma	SRV <sup>1/</sup>	Total	
Valencias	2,487	3,076	5,563	6,112	894	7,006	12,569
Navels	111	3,038	3,149	186	498	684	3,833
Grapefruit (white)	1,060	4,093	5,153	243	0	243	5,396
Grapefruit (red)	576	277	852	15	351	366	1,219
Lemons (all)	5,449	1,022	6,471	399	1	400	6,871
Tangerines (all)	215	374	588	425	304	729	1,318
Sweet Oranges	90	834	924	135	15	150	1,074
Limes, Misc.	20	7	27	44	5	49	76
Total	10,008	12,721	22,729	7,559	2,068	9,627	32,356

<sup>1/</sup> Salt River Valley.

Sources: Yuma County data based on Yuma County Survey by Agricultural Extension Service, Yuma, 1962. Salt River Valley data based on survey of citrus packers in Salt River Valley, 1962.

TABLE 31. CALIFORNIA DESERT CITRUS ACREAGE, 1962.

Kind of Citrus	Acres						Total California Desert
	Bearing			Nonbearing			
	Imperial	Coachella	Total	Imperial	Coachella	Total	
Valencias	403	144	517	303	1,179	1,482	1,999
Navels	8	5	13	11	2	13	26
Grapefruit (all)	788	5,999	6,787	122	1,911	2,033	8,820
Lemons (all)	88	441	529	73	139	212	741
Limes <sup>1/</sup>	-	70	70	-	50	50	120
Tangerines (misc.)	314	1,592	1,906	143	2,259	2,402	4,308
Total	1,601	8,221	9,822	652	5,540	6,192	16,014

<sup>1/</sup> Acreage in Riverside County.

Source: County Agricultural Commissioners for Imperial and Riverside Counties, California

TABLE 32. ACREAGE OF CITRUS BY VARIETY AND AGE GROUP IN THE SALT RIVER VALLEY, ARIZONA, 1962.

Kind of Citrus	Age of Citrus				Total
	Years			Age Not	
	Under 5	5-12	Over 12	Specified	
(Acres)					
Valencias	1,099	513	2,198	160	3,970
Navels	861	914	1,527	234	3,536
Grapefruit (white)	0	2	3,643	448	4,093
Grapefruit (red)	411	92	106	19	628
Lemons (all)	12	486	470	55	1,023
Tangerines (all)	399	107	146	26	678
Sweet oranges	22	1	779	47	849
Limes (misc.)	5	2	2	3	12
Total	2,809	2,117	8,871	992	14,789

Source: Packers of citrus products in the Salt River Valley, Maricopa County, Arizona, 1962.



TABLE 33. ACREAGE OF CITRUS BY VARIETY AND AGE GROUP, YUMA COUNTY, ARIZONA, 1962.

Kind of Citrus	Age of Citrus			Total
	Under 5	5-10	Over 10	
	(Acres)			
Valencias	6,112	1,987	500	8,599
Navels	186	94	17	297
Grapefruit (white)	243	147	913	1,303
Grapefruit (red)	15	556	20	591
Lemons (all)	399	5,229	220	5,848
Tangerines (all)	425	210	5	640
Sweet oranges	135	90	0	225
Limes (misc.)	44	15	5	64
Total	7,559	8,328	1,680	17,567

Source: Yuma County Citrus Survey, Agricultural Extension Service,  
Yuma, Arizona.

